



NONPOINT SOURCE SEMIANNUAL PROGRESS REPORT

July 01, 2010 through December 31, 2010

Clean Water Act Section 319[h] (Grant No. C9-97957511)

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State Water Resources Control Board

and

Regional Water Quality Control Boards

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**STATE WATER BOARD/REGIONAL WATER BOARDS NONPOINT SOURCE (NPS)
IMPLEMENTATION WORKPLAN PROGRESS REPORT SUMMARY FOR
JULY 01, 2010 – DECEMBER 31, 2010**

State Water Resources Control Board Program Summary

During this reporting period, the State Water Resources Control Board (SWRCB) continued its efforts: (1) targeting funding toward impaired waterbodies; (2) improving the documentation of environmental results; (3) expanding the application of the NPS Enforcement and Implementation Policy (NPS Policy) in SWRCB and Regional Water Quality Control Board (RWQCB) activities, and (4) expanding monitoring activities through the California Monitoring and Assessment Program (CMAP).

There were five (5) major achievements this reporting period for Task 1 – Grant Administration and Fiscal Support. The first of these achievements was the submittal of the necessary documents (e.g.; SWRCB and RWQCB annual work plans, final federal application forms) to apply for 2010-11 CWA 319 Grant to USEPA on April 30, 2010. With the submittal and acceptance (on or about July 01, 2010) approximately \$10,433,400 will be available for the next five (5) year grant period. A second major achievement was the continued improvement in the development and submittal of Measure W watersheds consistent with USEPA requirements. Five watersheds of focus have been started encompassing 32 Hydrologic Unit Code [HUC]-12) of which two have already been approved by USEPA (5 HUC-12). At present the NPS Program is on target to meet our goal of 35 HUC-12 by the end of FFY 2012. The remaining three (3) accomplishments were the completion of a series of CWA 319 summary reports due during this semi-annual progress period. These reports were: (1) the 2009-10 CWA 319 First Semiannual Progress Report (Progress Report); (2) the finalization of NPS Program Annual Report (Annual Report); and (3) the 2009-10 CWA 319 First Semiannual Financial Report (Financial Report). The Progress Report details the work completed on each of the tasks contained in the SWRCB and RWQCB Workplan which are supported by 2008-09 CWA 319 funding. The Annual Report provides information concerning the accomplishments of the SWRCB, RWQCB, CA Coastal Commission (CCC), and other state agencies with NPS related authorities or responsibilities consistent with goals and activities as outlined in the 2008-13 NPS Program Implementation Plan. The Financial Report summarizes the status of all CWA 319 Grants which are currently open (e.g.; CWA 319 Grants for 2005 through 2009).

There were two (2) major achievements this reporting period for Task 2 – NPS Financial Assistance. The first achievement was the completion of the 2010 CWA 319 Request for Proposal (RFP) process through Division of Water Quality (DWQ) and Division of Financial Assistance (DFA) staff in coordination with NPS Program representatives from the RWQCBs and USEPA. Twenty-two (22) applicants that submitted Concept Proposals were invited-back to submit Full Proposals. A total of 14 Projects (7 Implementation Projects totaling \$3,351,953 and 7 Planning/Assessment

Projects totaling \$770,761) were fully funded. The second major achievement was updating the USEPA Grants Reporting and Tracking System (GRTS) to address significant shortcomings in the mandatory fields previously entered into the system. A total of 78 implementation grants containing 94 entry errors needed to be updated properly in GRTS to meet the USEPA requirements for mandatory fields. This task required extensive coordination with DFA staff to obtain necessary background materials and was successfully completed on March 30, 2010 – 30 days prior to USEPA's deadline.

There were three (3) major achievements this reporting period for Task 3 - NPS Program Technical Assistance and Interagency Coordination. The first was the completion of Chapter 17 – Pollution Prevention in the CA Water Plan. Consistent with Task 3.4 of the 2008-13 CA NPS Program Five-Year Implementation Plan, the purpose of this document was to define and address NPS pollution prevention through existing and proposed SWRCB and RWQCB (Water Board) programs. This chapter includes discussions on: (1) status of NPS pollution prevention and associated Water Board programs and policies; (2) NPS pollution prevention as a function of land use category; (3) major issues such as irrigated agriculture, confined animal facilities, monitoring, and emerging issues; and (4) estimated costs associated with NPS pollution prevention programs. The second achievement was coordinating with the North Coast Regional Board (RWQCB-1) staff the workshop and field tour concerning Implementing the Shasta River Total Maximum Daily Load (TMDL) Workshop which was held on May 5 – 6, 2010. The workshop was attended by numerous staff from USEPA, SWRCB and RWQCBs, and the public. The final major achievement this reporting period was exceeding our milestone for the reporting period for the number of Success Stories that were submitted to USEPA for approval.

North Coast Regional Water Quality Control Board Program Summary

Significant progress has been made by North Coast Regional Water Quality Control Board (RWQCB-1) staff on several NPS actions. The dairy permitting team is moving forward on a permitting program for over 150 dairies in RWQCB-1. During the reporting period, staff continued significant outreach efforts with dairy owners/operators on the proposed regulation and plan to bring the dairy permit to the RWQCB-1 Board for adoption in the summer of 2011. Staff also worked closely with the US Forest Service in implementing Order No. 2010-0029 "Waiver of Waste Discharge Requirements for Nonpoint Source Discharges Related to Certain Federal Land Management Activities on National Forest System Lands". An inter-division liaison team was formed to visit each National Forest, to answer questions, and to discuss waiver compliance efforts in the field. RWQCB-1 staff visited Klamath National Forest in October 2010, with the other Forests to be scheduled. Meanwhile, as one of the few regions that do not yet have an irrigated agriculture waiver or permit, staff is undertaking the development of a waiver for both irrigated agriculture and grazing. Still to be determined is whether the waiver will be developed first in the Klamath River Watershed, or region-wide. In addition, the

NPS/CWA 401 complaints liaison and tracking system has expanded to include nearly all programs in the RWQCb-1 office.

Two new initiatives were also started this reporting period by RWQCB-1 staff. These included the "Wood for Salmon Waiver" project, a coordinated draft permit (waiver) that would include (overlapping) sidebars and mitigations associated with all of the state and federal agencies relative to wood loading projects. This conceptual permit could help facilitate wood loading and can be done in conjunction with or without timber harvest activities. This is being undertaken by representatives from NOAA, DFG, Water Board, CalFIRE, and CGS. On a similar track, Mendocino County RCD and NRCS are developing a Coordinated Permit Program. This program proposes several "conservation practices" including stream habitat improvement and management, such as woody debris modification and installation of log and boulder structures. We expect this coordinated permit program to be up and running in the next year or so. On a similar track, staff are working on an expedited process for permitting the placement of large woody debris in streams, often in concert with timber harvest plans

San Francisco Bay Regional Water Quality Control Board Program Summary

NPS tasks were generally on track this period for the San Francisco Bay Regional Water Quality Control Board (RWQCB-2). As specified in Task 1: Program Coordination - the NPS coordinator and other staff completed the semi-annual progress report for January through June 2010 and attended monthly phone calls and quarterly NPS/TMDL Roundtable Conference Calls in July and October. Under Task 2: Contract/Grant Agreement Management - existing grants were on schedule and milestones met and work began on two 2008-9 year grants. Four CWA 2009-10 grants are awaiting grant agreements, which have been delayed due to SWRCB staffing and workload issues. RWQCB-2 NPS Program staff was part of a technical review panel for 2011 RFP application and review process. Staff took part in reviews of over 60 concept proposals for planning and implementation grants. Two planning and two implementation grants in RWQCB-2 have been asked back for full proposals. **Task 3: TMDL Implementation:** Staff continued work on trainings and outreach, participated on a variety of advisory committees and stakeholder groups on developing and reviewing technical documents, and made site visits to review implementation projects. **Task 4: Stream and Wetland Systems Protection Policy:** Staff completed the CEQA Scoping, completed external peer review of draft Basin Plan Amendment and Staff Report, and prepared sediment and habitat parameters for performance criteria. **Task 5: Waste Discharge Requirements Waivers for Grazing Lands:** We continued successful implementation of our new WDR waiver for grazing in the Tomales Bay watershed and continued work on a grazing waiver for Sonoma and Napa Counties, as required by completed pathogen and sediment TMDLs in both watersheds. **Task 6: Other Hydromodification, Fisheries and Stream Protection Projects:** Staff worked with National Park Service and other resource agencies on Big Lagoon and Redwood Creek Restoration Project in Marin County and reviewed and commented on NOAA Fisheries Coho Salmon Recovery Plan.

NPS Program tasks were generally on track for this reporting period for San Francisco Bay RWQCB (RWQCB-2). As specified in Task 1 – NPS Program Coordination, the NPS coordinator and other staff completed the Semi-Annual Progress report for July through December 2009 and attended monthly phone calls and the quarterly NPS/TMDL Roundtable and Workshop in Mt. Shasta in May. Under Task 2 - Contract/Grant Agreement Management, existing implementation grants were on schedule and milestones met. Two new grant agreements were finalized (executed) and work is beginning on them. RWQCB-2 staff was also part of a technical review panel for applications submitted as part of the 2011 RFP. As a result, four new grant proposals in RWQCB-2 were approved for funding in April 2010.

Under the Hydromodification and Riparian Protection Task (Task 3), RWQCB-2 staff continued work on trainings and outreach, participated on a variety of advisory committees and stakeholder groups on developing and reviewing technical documents, and made site visits to review implementation projects. For the Stream and Wetland Systems Protection Policy subtask, staff completed the external peer review process of the draft Basin Plan Amendment language and supporting Staff Report. Under Task 4 - TMDL Implementation, RWQCB-2 staff continued successfully implementing the new waiver of WDRs for grazing in the Tomales Bay watershed, continued work on a grazing waiver for Sonoma and Napa Counties, and continued to focus on sediment management practices in several key TMDL watersheds. Staff also participated in workshops and conferences to provide additional outreach on the grazing waiver programs for three TMDL watersheds, and coordinated with other staff on the vineyard waiver under development for two TMDL watersheds (Napa River and Sonoma Creek).

Under the Critical Coastal Areas Task (Task 5), activities have been largely put on hold due to the State budget crisis and grant freeze, although RWQCB-2 staff maintain contact with the California Coastal Commission and San Mateo RCD and other stakeholders. In lieu of activities originally planned for this task, NPS Program staff provided assistance and support to TMDL staff for the pathogen TMDL for Pacifica State Beach and San Pedro Creek on the San Mateo County Coast.

Central Coast Regional Water Quality Control Board Program Summary

NPS tasks in the Central Coast RWQCB (RWQCB-3) were generally on track during this reporting period, with the exception of some activities in the Agricultural Regulatory Program. Under Task 1 - NPS Program Coordination, RWQCB-3 staff completed the semi-annual progress report for July through December 2009, completed the review of CWA 319(h) concept proposal reviews for the 2010 RFP, and completed the 2010-2011 CWA 319 Workplan. In addition, staff coordinated with CWA 319 project proponents prior to their submittal of full proposals and held two internal staff meetings to discuss and evaluate the submitted proposals. RWQCB-3 staff also developed and submitted a CWA 319(h) project preference list for 2011 projects and also participated in monthly NPS Roundtable meetings via teleconference. Under Task 2 (CWA 319[h] Project Management), staff managed one CWA 319(h) grant during the reporting period (Grant No. 06-250-553-0, Santa Cruz County Roads Cost Share). The outcomes and accomplishments for the grant have been very successful in implementing practices to reduce loading in several TMDL watersheds.

The Agricultural Regulatory Program (Task 3) is in the process of revising the Conditional Waiver, including revising management practice (MP) tracking and reporting requirements and monitoring requirements. RWQCB-3 staff delayed the region-wide farm MP reporting to align the requirements with the upcoming new Conditional Waiver Order, which is proposed for adoption in February 2011. As such, the report on agricultural MP implementation has not yet been developed. During the reporting period, staff held more than sixteen stakeholder meetings, and provided the RWQCB-3 Board with two updates on the Agricultural Regulatory Program. Staff released a preliminary draft Agricultural Order on February 1, 2010, and received public comments through June 4, 2010. Staff held one public workshop in San Luis Obispo on May 12, 2010, to discuss the Agricultural Order and a second public workshop is scheduled in Watsonville on July 8, 2010.

Los Angeles Regional Water Quality Control Board Program Summary

This reporting period, the Los Angeles RWQCB (RWQCB-4) focused on implementing the Los Angeles Region Conditional Waiver for Irrigated Lands (Conditional Waiver). NPS Program staff worked to address challenges of complying with the Conditional Waiver voiced by representatives from the Ventura County Agricultural Irrigated Lands Group (VCAILG) and the Nursery Growers Association-Los Angeles County Irrigated Lands Group (NGA-LAILG).

In Los Angeles County, the Conditional Waiver Program continues to struggle with low enrollment. This has led to higher costs and lower grower confidence. In response, staff committed to take enforcement action against non-enrollees. Staff met this commitment by issuing four Administrative Civil Liabilities (ACLs) actions to non-enrollees in February 2010. Three of the four ACLs were issued to growers in Los Angeles County. Staff is currently in settlement negotiations with these growers. It is

not clear that these enforcement efforts have resulted in increased enrollment. Therefore, RWQCB-4 staff intends to increase direct outreach efforts and attempt to increase enrollment through the waiver renewal process. Staff expects that the end of furloughs and the return of one staff from a leave of absence will increase the amount of time spent on outreach efforts.

In Ventura County, members of VCAILIG should have begun installing MPs in prioritized drainage areas in the summer of 2009. The 2009 annual monitoring report was submitted in February 2010. RWQCB-4 staff is currently evaluating the report to determine if MP installation has resulted in any change from baseline conditions.

Staff continued to oversee CWA 319 grant agreement No. 08-606-554 - Implementation of Best Management Practices to Reduce Agricultural TMDL loads in the Calleguas Creek and Santa Clara River Watersheds. This grant will assist in the implementation of MPs through the distribution of MP questionnaires to growers and outreach to those growers to increase MP implementation based on questionnaire results. During this reporting period, RWQCB-4 staff met with the grantee and had numerous e-mails and phone calls to ensure that the grantee conducts more site visits and site-specific MP consultations to ensure all questionnaires are completed and additional MPs are implemented where the questionnaires identify gaps. Staff expects to receive MP documentation from the CWA 319 grant in July 2010 to confirm and evaluate MP implementation and effectiveness.

Central Valley Regional Water Quality Control Board Program Summary

NPS tasks were generally on track this period for the Central Valley RWQCB (RWQCB-5). Under Task 1 – NPS Program Coordination, the NPS coordinator and other staff completed the semi-annual progress report for January through June 2010, attended all monthly phone calls and the NPS Roundtable held at the SWRCB in January 2010. As part of the CWA 319 Project Management Task (Task 2), one new grant has been executed and work is currently on schedule. RWQCB-2 NPS Program staff also participated in a CWA 319h grant committee working on revising grant solicitations and ranking criteria as well as working with applicants for 2010 concept proposals. RWQCB-5 staff was successfully awarded three new grants - two planning/assessment grants and one implementation grant.

For Task 3 – Salinity Policy Development, the CV-SALTS committees met 21 times in this reporting period, including groups such as the Executive Committee, Public Education and Outreach, Economic and Technical, Funding and Fundraising and BMP. The CV-SALTS group has been focusing on the Beneficial Use Objective Phase 1 Study. A statement of work has been prepared and is currently under review for this task. RWQCB-5 staff has made great strides in Task 4 - Clear Lake Consolidated Mercury and Nutrient TMDL Implementation with the Integrated Watershed Management Plan having been finalized. NPS staff continues to meet with stakeholders although funding is lacking in the region for implementation projects. Under Task 5 – TMDL Implementation Plan Coordination – NPS Program staff met

several times to flesh out a TMDL Implementation template. Staff determined that a template could not capture needs for all TMDLs, therefore, a pilot project will take place with some of the TMDL Implementation tables.

Through the Watershed Support Task (Task 6) two activities were focused on by RWQCB-5 staff – the grazing program and the Integrated Regional Water Management Program (IRWM). Opportunities to enhance grazing best management practices (BMPs) on non-irrigated public lands are being pursued. Irrigated pasture grazing is covered by the RWQCB-5's Irrigated Lands Regulatory Program (ILRP). However, grazing is not a good fit in this program because grazing is really a different land use with different practices than row-crop agriculture. Grazing can be readily managed to limit the threat to water quality. Best grazing practices include: no or low pesticide use, manure control, fencing, grazing control and other water-quality protection measures that are not used in row crop agriculture. Currently these grazing practices are overshadowed by efforts to address discharges from row-crop agriculture. With the goal of increasing use of best grazing practices, RWQCB-5 staff has proposed a low threat (tiered) option to the irrigated lands program that provides an incentive for using best practices. Major benefits of a grazing tier in the ILRP are: explicit definition of BMPs that protect water quality and a lower regulatory burden for those using the BMPs. Because a tiered grazing option within the ILRP provides incentive to adopt good practices, staff believes this approach can reach the majority of grazing operations and therefore improve conditions on the ground. Development of a grazing option within the ILRP will continue.

RWQCB-5 NPS staff continues to provide support for the IRWM. The IRWM is the primary state program in support of regional water management to address water supply and water quality. Staff participated in the regional application process (RAP) reviews, interviews and recommendations), proposal solicitation process (PSP) for Proposition 50 and 84 monies, and development of RWQCB-5 program descriptions and priorities. Twenty-three RAP regional entities were approved for the Central Valley Region. The PSP is through review and will be released when monies are made available. Staff will continue to participate in the IRWM program to assure water quality concerns are included in technical and funding processes.

Lahontan Regional Water Quality Control Board Program Summary

During the six-month period of January to June 2010, Lahontan RWQCB (RWQCB-6) staff participated in the statewide selection process to recommend projects for funding and developed a regional priority for projects to be used in the next CWA 319 solicitation. One new 319 project was started; two new projects were selected for funding; and one project was completed. Staff participated in over ten outreach events focusing on watershed health. To assess impacts from grazing, staff began a Monitoring Plan for bacteria in Alpine County in coordination with the Alpine Watershed Group. Staff also continued to work with UC Davis on a bacteria study, and also started work on a \$1M bacterial source tracking and grazing BMP implementation project with a

target of grant execution by January 2011. To determine compliance with the Regional Board's Conditional Waiver of Waste Discharge Requirements for Discharges Related to Timber Harvest Activities, staff conducted several compliance inspections, including an in-depth analysis of USFS BMP use. Staff also reviewed compliance with the monitoring requirements of the waiver- the review showed a high rate of compliance. Staff reviewed and commented on environmental documents for Travel Management Plans developed by four Forests.

Colorado River Basin Regional Water Quality Control Board Program Summary

The Colorado River Basin RWQCB (RWQCB-7) focuses on TMDL implementation in the Salton Sea watershed. The CWA 319 personnel resources support these TMDL implementation efforts. In this year's CWA 319 grant solicitation, staff from the USEPA, and State and Regional Boards worked closely with representatives of Imperial County Farm Bureau (ICFB) and Imperial Irrigation District (IID) to ensure that their proposals were more competitive in comparison with previous proposals. The ICFB "Voluntary TMDL Compliance Program" project application was included on the Full Proposal "invite back" list however their project was not chosen for the final CWA 319h 2010 funding list. It should be note that most sampling locations on the New River, Alamo River, and major agriculture drains are already in compliance with Sediment TMDL Phase 2 numeric targets. Data for Phase 2 targets of 240 mg/l TSS for the Alamo River, 213 mg/l TSS for the New River, and 282 mg/l TSS for the Imperial Valley Drains, is currently being assessed by RWQCB-7 staff.

On May 12, 2010, the SWRCB-DFA informed IID that it could start the 2008 SWRCB awarded \$900,000 Proposition 50/84 Agricultural Water Quality Grant Program project. The purpose of this project is to continue IID's efforts to reduce sediment concentrations throughout the Imperial Valley agricultural drains from their dredging and maintenance activities. The title of the project is "Precision Drain Cleaning BMP Plan." The goals of the project are to: (1) improve substandard areas within IID's earthen drainage system that contribute to water quality impairment; (2) support the propagation of native vegetation to stabilize earthen drain banks; (3) employ precision GPS technology as a MP to reduce water quality impacts that occur during drain dredging operations; and (4) implement a drain water quality monitoring program to quantify benefits that are achieved through the use of proposed management practices and determine the progress in meeting the established TMDL water quality goals. NPS RWQCB-7 staff will continue to work with IID in the implementation of this new project.

Santa Ana Regional Water Quality Control Board Program Summary

Tasks for the Santa Ana Regional Water Quality Control Board (RWQCB-8) NPS Program were generally completed on time during this reporting period. Successful efforts included participation in several events during this period in which NPS information was distributed through presentations, brochures and pamphlets. These

community education and awareness opportunities have been well received, and requests for additional presentations are occurring more frequently.

Work is ongoing to develop and populate a database of likely irrigated agricultural operators who will be subject to the proposed Conditional Waiver of Waste Discharge Requirements for Agricultural Discharges (CWAD) program, and evaluating alternate approaches for a waiver monitoring program. The strategy now being considered in this watershed-based approach is for existing stakeholders (e.g.; organizations representing a sector of the agriculture industry such as Milk Producers Council, Nursery Grower's Association, science-based organizations such as University of California Cooperative Extension, Southern California Coastal Water Research Project), that have already demonstrated the capacity to conduct monitoring by identifying pollutants associated with irrigated agriculture discharges in the watershed to take on an additional role of monitoring for enrollees in the CWAD. NPS Program staff is coordinating with Riverside County Agricultural Commissioners Office to develop a CWAD program agricultural operator's data base with data provided by stakeholders in the San Jacinto/Canyon Lake watershed TMDLs.

RWQCB-8 conditional agricultural waiver staff has been actively involved in coordination with major stakeholders such as the Western Riverside County Agriculture Coalition and the San Jacinto River Watershed Coalition in identifying major agricultural stakeholders, including a grant-based project to classify and compile categories of irrigated and non-irrigated agricultural operators in the region that will potentially be enrolled in this program. Coordination efforts are also ongoing with agricultural waiver staff at the SWRCB and adjacent regions (Regions 4 and 9) to draw on their experience as a tool to expedite the development of the agricultural waiver.

Other NPS Program-related miscellaneous activities this reporting period included: (1) involvement in implementing the regional salt management plan, adopted in 2004, which includes both NPS and point source pollutants control activities; (2) participation in monthly meetings of stakeholders in the Chino Basin part of the middle Santa Ana River watershed management area to monitor and encourage progress and success of a number of grant-funded NPS pollutant reduction projects; (3) working with regulated dairies and manure haulers in coordination with local agencies and cities in order to regulate manure management (land application of manure at agronomic rates) in the Chino Basin and San Jacinto River watershed areas; and (4) continue to implement Basin Plan prohibitions and restrictions on the use of septic tanks and on-site, subsurface sanitary waste disposal systems (OSDS) that apply region-wide, especially in the Quail Valley community of western Riverside County.

San Diego Regional Water Quality Control Board Program Summary

During the reporting period, work funded by CWA 319 funds in the San Diego RWQCB (RWQCB-9) proceeded in a generally satisfactory manner. RWQCB-9 personnel resources were used to support continued efforts in the control of Caulerpa and the

implementation of the CWA 401 certification program. The Southern California Caulerpa Action Team (SCCAT) obtained additional funds to continue maintenance and oversight of the SCCAT website (<http://www.sccat.net>) and database of Caulerpa sightings, surveys, and inventories. Caulerpa are extremely destructive and invasive non-native seaweeds that pose a significant threat to marine ecosystems, so eradication of existing infestations and prevention of new infestations of Caulerpa is critical to protecting and restoring the health of southern California coastal waters. Water quality degradation is a symptom of unhealthy watersheds. Since healthy wetlands and riparian areas are essential to the health of watersheds, protection and restoration of the natural characteristics of wetlands and riparian areas are critical to protection and restoration of the health of watersheds. Preventing / minimizing the loss and degradation of wetlands and riparian areas and their associated functions and beneficial uses and ensuring that appropriate and adequate mitigation is done where such losses occur is an important part of protecting and restoring wetlands and riparian areas. The CWA 401 certification program is critical to accomplishing this.

Financial Status of 2009-10 CWA 319 Grant

Table 1 summarizes all of the personnel and travel expenditures for the CWA 319 Grant funding during the 2009-10 state fiscal year (SFY) (July 1 through June 30). As per direction from the State Water Board Division of Administrative Services, these grant allotments were determined at 86.15 percent of the amount calculated in the 2009-10 CWA 319 Workplan to reflect the impact of three (3) furlough days (non-work days) per month for all California state employees. Approximately 97.24 percent (\$5,035,580) of the “furlough based” allotments (\$5,178,530) were spent on personnel services for the SFY. The resulting “furlough fund” totaled \$856,099 and combined with the other unexpended funds yields a grant balance of \$1,164,179.

With respect to the implementation grant projects approved for this year, all were encumbered during the first fiscal year (although all were not executed) for a total amount of \$4,787,087 (see Table 2). During the year approximately \$101,000 was expended on the various grant projects, which was ahead of the anticipated grant project expenditure rate (see Table 3).

Financial Status of 2005-08 CWA 319 Grants

As presented in Table 4, at the closing of the 2005 CWA 319 Grant approximately \$63,205 will remain and returned to USEPA. This represents approximately 99.49% of this grant being expended over the five-year grant period – very close to the NPS Program goal of a 99.50% expenditure rate for each Grant.

The amounts in Table 4 represent the SWRCB-determined balance for each of the open as of June 30, 2010. The amount remaining for the 2006 CWA 319 Grant is \$40,166 approximately 99.62% of the original amount and for the 2007 CWA 319 Grant is

\$22,983 approximately 99.78% of the original amount. Both of these grants are currently within the NPS Program goal of a 99.50% expenditure rate for each Grant.

The 2008 and 2009 CWA 319 Grants are more problematic in that a significant amount of personnel funding scheduled to be expended during their first fiscal year was not spent. During the 2008 SFY \$587,992 was not expended with a significant portion (\$505,889) coming from “indirect” line item. Because this amount exceeds 10% of the original amount allocated for this line item in the approved 2008 CWA 319 Workplan, the SWRCB will be submitting an amendment to USEPA – Region 9 to move this excess funding to the “contracts” line item. The funding can then be used to support additional contracts, such as support of the CA Coastal Commission (CCC) (\$425,000 annually), water quality monitoring, watershed planning, and/or other the projects subject to approval by USEPA – Region 9. It is our intent to submit this amendment request August 2010.

Due to the furlough of State employees during the 2009 SFY (e.g.; three [3] days per month), a similar problem has developed with respect to unspent funds in the 2009 CWA 319 Grant. All three (3) personnel related “line items (e.g.; personnel costs, benefits, and indirect costs) exceed 10% of the original amount allocated in the 2009 CWA 319 Workplan. As a result, an amendment to this Grant needs to be submitted USEPA – Region requesting that these excess funds be moved to the “contracts” line item. The funding can then be used to support additional contracts, such as support of the California Coastal Commission (CCC) (\$425,000 annually), water quality monitoring, watershed planning, and/or other the projects subject to approval by USEPA – Region 9. It is our intent to submit this amendment request September 2010.

Assuming that these amendments are approved by USEPA – Region 9, Table 5 summarizes the proposed distribution of these funds over the course of their remaining years on the 2008 and 2009 CWA 319 Grants.

Table 1: 2010-11 CWA 319 NPS Program Expenditures and Workplan Allotments through December 2010 Including State Furlough Amounts

Organization	PYs	Personnel Expenses Expended (\$)	Op Exp. & "Other" Expended (\$)	Total Direct Expenses (\$) (excluding Travel)	Indirect Expenses Expended (\$)	Total Organization Expended (\$)	Total Workplan Allotment (w/ Furloughs and SWCAP) (\$)	SWCAP Contribution (\$)	Total Organization Allotment w/ Furlough (\$)	Personnel Allotment w/ Furlough Remaining (\$)	Percent Personnel Allotment w/ Furlough Expended	Organization Travel Allotment (\$)	Travel Allotment Expended (\$)	Total Travel Allotment Remaining (\$)	Percent Travel Allotment Expended	Total Grant Allocation w/ Furlough Remaining (\$)
1	3.25	120,126	452	120,578	89,700	210,278	548,219	18,270	529,949	319,671	39.68	11,440	3,666	7,774	32.05	327,445
2	2.85	116,584	0	116,584	86,079	202,663	428,836	15,502	413,334	210,671	49.03	2,820	0	2,820	0.00	213,491
3	2.25	58,883	0	58,883	44,528	103,411	362,315	12,734	349,581	246,170	29.58	5,619	0	5,619	0.00	251,789
4	2.09	21,337	0	21,337	15,812	37,149	308,481	11,073	297,408	260,259	12.49	3,043	0	3,043	0.00	263,302
5	3.95	148,259	0	148,259	110,261	258,520	618,564	22,145	596,419	337,899	43.35	5,806	0	5,806	0.00	343,705
6	2.00	36,576	270	36,846	27,443	64,289	310,214	11,073	299,141	234,852	21.49	6,818	978	5,840	14.34	240,692
7	1.40	41,760	0	41,760	31,207	72,967	206,331	7,751	198,580	125,613	36.74	2,992	0	2,992	0.00	128,605
8	1.40	64,117	3	64,120	47,864	111,984	217,442	7,751	209,691	97,707	53.40	2,097	314	1,783	14.97	99,490
9	1.32	35,743	0	35,743	26,639	62,382	195,488	7,197	188,291	125,909	33.13	837	0	837	0.00	126,746
RWQCB Subtotal	20.51	643,385	725	644,110	479,533	1,123,643	3,195,890	113,496	3,082,394	1,958,751	36.45	41,472	4,958	36,514	11.96	1,995,265
DWQ ¹	5.10	161,349	68	161,417	119,796	281,213	847,248	28,235	819,013	537,800	34.34	9,076	465	8,611	5.12	546,411
DFA	2.18	28,814	0	28,814	22,413	51,227	363,202	12,180	351,022	299,795	14.59	2,352	0	2,352	0.00	302,147
SWRCB Subtotal	7.28	190,163	68	190,231	142,209	332,440	1,210,450	40,415	1,170,035	837,595	28.41	11,428	465	10,963	4.07	848,558
NPS Program Total	27.79	833,548	793	834,341	621,742	1,456,083	4,406,340	153,911	4,252,429	2,796,346	34.24	52,900	5,423	47,477	10.25	2,843,823
TMDL	9.41	236,161	18,615	254,776	177,582	432,358	1,561,594	52,042	1,509,552	1,077,194	28.64	0	0	0	0.00	1,077,194
GRANT TOTALS	37.20	1,069,709	19,408	1,089,117	799,324	1,888,441	5,967,934	205,953	5,761,981	3,873,540	32.77	52,900	5,423	47,477	10.25	3,921,017

Table 2: 2010-11 CWA 319 Grant Status - Executed and Actual Expenditures for Project Grants Through December 31, 2010

FAAST PIN No.	Regional Board	Project Grant Title	Project Grant No.	Contractor	Grant Executed (Date)	(A) 2008 Grant (\$)	(B) 2010 Grant (\$)	Total Project Amount (A+B) (\$)	2010-11 Expenditures (\$)	Balance (\$)
19017	1	Redwood Creek Sediment Reduction	10-436-551	Pacific Coast Fish, Wildlife, and Wetlands Restoration Assoc.	No	0.00	500,000.00	500,000.00	0.00	500,000.00
19088	1	Scott River Groundwater Study Plan Implementation	10-447-551	Siskiyou Resource Conservation District (RCD)	No	0.00	95,761.00	95,761.00	0.00	95,761.00
19062	2	Fish Friendly Farming Environmental Certification Program	10-435-552	California Land Stewardship Inc.	No	0.00	300,000.00	300,000.00	0.00	300,000.00
19027	2	Tomaes Bay Pathogen Reduction BMPs on Parklands	10-439-552	Pt. Reyes National Seashore	No	0.00	453,664.00	453,664.00	0.00	453,664.00
19112	2	Napa River Sediment TMDL Monitoring Program	10-444-552	Napa County RCD	No	0.00	100,000.00	100,000.00	0.00	100,000.00
19022	2	Developing Prioritization Criteria for Reach-Scale Projects in Sonoma Creek Watershed	10-445-552	Sonoma Ecology Center	No	0.00	125,000.00	125,000.00	0.00	125,000.00
18998	3	Morro Bay Agriculture Water Quality Enhancement Program	10-440-553	Coastal San Luis Resource Conservation District	No	0.00	465,500.00	465,500.00	0.00	465,500.00
19108	3	Pinto Lake TMDL Planning and Assessment Project	10-443-553	City of Watsonville	No	0.00	125,000.00	125,000.00	0.00	125,000.00
19068	5	Wetland Management to Decrease Methylmercury from Cosumnes River Preserve	10-434-555	Bureau of Land Mgmt.	No	0.00	782,789.00	782,789.00	0.00	782,789.00
19096	5	Plng. For Delta Mthylmercury TMDL Impl. for Wetlands and Irrigated Agriculture	10-441-555	Sacramento River Watershed Program	No	0.00	125,000.00	125,000.00	0.00	125,000.00
19003	5	Bear Creek Ranch Mercury Red. Planning Proj.	10-442-555	Colusa County RCD	No	0.00	75,000.00	75,000.00	0.00	75,000.00
19103	6SLT	Coldstream Canyon Floodplain Restoration	10-438-556	Truckee River Watershed Council	No	0.00	250,000.00	250,000.00	0.00	250,000.00
19106	6SLT	Squaw Creek Restoration	10-448-556	Placer County	No	53,054.00	71,946.00	125,000.00	0.00	125,000.00
19063	8	Implementation of Nutrient TMDLs in San Jacinto Wtrshd through Pollutant Trading	10-446-558	Western Riverside County Agricultural Coalition	No	0.00	125,000.00	125,000.00	0.00	125,000.00
19039	9	Shelter Island Yacht Basin Copper Hull Paint Conversation Project	10-437-559	San Diego Unified Port District	No	0.00	600,000.00	600,000.00	0.00	600,000.00
2008 Contract Allotment to Fund a 2010 Project						53,054.00				
TOTAL Grant Contract Funding Used							4,194,660.00			
2010 Grant Application Contract Line Item							4,200,570.00			
Amount Available							5,910.00			

Table 3: 2010-11 CWA 319 NPS Program Status of Open Grants Through December 2010

Category	State Fiscal Year					
	2006			2007		
	Allocated (\$)	Expended (\$)	Balance (\$)	Allocated (\$)	Expended (\$)	Balance (\$)
Personnel	2,427,072	2,414,300	12,772	2,349,833	2,342,862	6,971
Benefits	810,642	816,734	(6,092)	784,844	798,828	(13,984)
Contracts (1)	4,137,410	4,137,410	0	4,056,610	4,056,610	0
Equipment	0	0	0	0	0	0
Other	0	0	0	0	0	0
Supplies	0	0	0	0	0	0
Travel	52,900	52,666	234	62,900	52,718	10,182
Indirect	3,115,976	3,118,025	(2,049)	3,016,813	2,995,642	21,171
Pending Contract Encumbrances	0	0	0	0	0	0
TOTALS	10,544,000	10,539,135	4,865	10,271,000	10,246,660	24,340

Category	State Fiscal Year								
	2008			2009			2010		
	Allocated (\$)	Expended (\$)	Balance (\$)	Allocated (\$)	Expended (\$)	Balance (\$)	Allocated (\$)	Expended (\$)	Balance (\$)
Personnel	2,282,440	2,261,727	20,713	2,393,273	2,013,977	379,296	2,482,153	762,598	1,719,555
Benefits	812,549	762,782	49,767	851,287	731,172	120,115	882,902	307,506	575,396
Contracts (1)	5,070,224	4,564,444	505,780	4,803,434	4,683,195	120,239	4,200,570	4,200,570	0
Equipment	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
Supplies	0	0	0	0	0	0	0	0	0
Travel	42,900	42,083	817	52,900	36,953	15,947	52,900	5,423	47,477
Indirect	2,590,543	2,562,779	27,764	2,936,651	2,472,790	463,861	2,814,869	884,041	1,930,828
Pending Contract Encumbrances (2), (3)	0	580,780	(580,780)	0	1,075,000	(1,075,000)	0	0	0
TOTALS	10,798,656	10,193,815	24,061	11,037,545	9,938,087	24,458	10,433,394	6,160,138	4,273,256

Notes:

1. Unless otherwise specified all encumbered finds for planning and implementation grants are assumed to be expended during the duration of the CWA 391 Grant.
2. For the 2008 CWA 319 Grant amendment pending to increase original contract Line Item by \$505,780. Partially funding 2010-12 CA Coastal Commission Contract. Additional \$75,000 to be used for student support and/or monitoring activities to support Measure W analyses.
3. For the 2009 CWA 319 Grant amendment will be requested. Amendment will be used to increase contract allotment and will be used to fund the 2012-14 CA Coastal Commission Contract. Additional \$225,000 will be used to support monitoring projects to support Measure W analyses.

NPS Program Summary

During this reporting period, the State Water Resources Control Board (SWRCB) continued its efforts: (1) targeting funding toward impaired waterbodies; (2) improving the documentation of environmental results; (3) expanding the application of the NPS Implementation and Enforcement Policy in SWRCB and Regional Water Quality Control Board (RWQCB) activities, and (4) expanding monitoring activities through the California Monitoring and Assessment Program (CMAP).

There were five (5) major achievements this reporting period for Task 1 – Grant Administration and Fiscal Support. The first of these achievements was the submittal of the necessary documents (e.g.; SWRCB and RWQCB annual work plans, final federal application forms) to apply for 2010-11 CWA 319 Grant to USEPA on April 30, 2010. With the submittal and acceptance (on or about July 01, 2010) approximately \$10,433,400 will be available for the next five (5) year grant period. A second major achievement was the continued improvement in the development and submittal of Measure W watersheds consistent with USEPA requirements. Five watersheds of focus have been started encompassing 32 Hydrologic Unit Code [HUC]-12 of which two have already been approved by USEPA (5 HUC-12). At present the NPS Program is on target to meet our goal of 35 HUC-12 by the end of FFY 2012. The remaining three (3) accomplishments were the completion of a series of CWA 319 summary reports due during this semi-annual progress period. These reports were: (1) the 2009-10 CWA 319 First Semiannual Progress Report (Progress Report); (2) the finalization of NPS Program Annual Report (Annual Report); and (3) the 2009-10 CWA 319 First Semiannual Financial Report (Financial Report). The Progress Report details the work completed on each of the tasks contained in the SWRCB and RWQCB Workplan which are supported by 2008-09 CWA 319 funding. The Annual Report provides information concerning the accomplishments of the SWRCB, RWQCB, CA Coastal Commission (CCC), and other state agencies with NPS related authorities or responsibilities consistent with goals and activities as outlined in the 2008-13 NPS Program Implementation Plan. The Financial Report summarizes the status of all CWA 319 Grants which are currently open (e.g.; CWA 319 Grants for 2005 through 2009).

There were two (2) major achievements this reporting period for Task 2 – NPS Financial Assistance. The first achievement was the completion of the 2010 CWA 319 Request For Proposal (RFP) process through Division of Water Quality (DWQ) and Division of Financial Assistance (DFA) staff in coordination with NPS Program representatives from the RWQCBs and USEPA. Twenty-two (22) applicants that submitted Concept Proposals were invited-back to submit Full Proposals. A total of 14 Projects (7 Implementation Projects totaling \$3,351,953 and 7 Planning/Assessment Projects totaling \$770,761) were fully funded. The second major achievement was updating the USEPA Grants Reporting and Tracking System (GRTS) to address significant shortcomings in the mandatory fields previously entered into the system. A total of 78 implementation grants containing 94 entry errors needed to be updated properly in GRTS to meet the USEPA requirements for mandatory fields. This task required extensive coordination with DFA staff to obtain necessary background materials and was successfully completed on March 30, 2010 – 30 days prior to USEPA's deadline.

There were three (3) major achievements this reporting period for Task 3 - NPS Program Technical Assistance and Interagency Coordination. The first was the completion of Chapter 17 – Pollution Prevention in the CA Water Plan. Consistent with Task 3.4 of the 2008-13 CA NPS Program Five-Year Implementation Plan, the purpose of this document was to define and address NPS pollution prevention through existing and proposed SWRCB and RWQCB (Water Board) programs. This chapter includes discussions on: (1) status of NPS pollution prevention and associated Water Board programs and policies; (2) NPS pollution prevention as a function of land use category; (3) major issues such as irrigated agriculture, confined animal facilities, monitoring, and emerging issues; and (4) estimated costs associated with NPS pollution prevention programs. The second achievement was coordinating the workshop and field tour concerning Implementing the Shasta River TMDL Workshop which was held on May 5 – 6, 2010. The workshop was attended by numerous staff from USEPA, SWRCB and RWQCBs, and the public. The final major achievement this reporting period was exceeding our milestone for the reporting period for the number of Success Stories that were submitted to USEPA for approval.

Task 1: Grant Administration and Fiscal Support

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1.01. Grant Management	<p>a.1 Development of semi-annual expenditure-status reports for all open CWA 319 Grants.</p> <p>a.2 DFA to provide DWQ MBE-WBE Annual Reporting documents for each open Grant.</p> <p>a.3 Development of FFY 2005 Grant closure report.</p>	<p>Yes</p> <p>Yes/No</p> <p>Yes</p>	<p>Subsequent to submittal of the 2010-11 CWA 319 Annual Workplan, the responsibility for this task was assumed by DWQ. The project was successfully completed and submitted to USEPA – Region 9. This “switching” of responsibilities will be incorporated into the next workplan, as appropriate.</p>
1.02. Grant Application and Fiscal Administration	a.1 Securing of federal assistance for the NPS Program through CWA 319 funding for 2011-12.	N/A	
1.03: Develop Annual CWA 319 Workplan	<p>a. Draft Annual Workplan (see Deliverable 1.05)</p> <p>b. Final Annual Workplan (see Deliverable 1.06)</p>	<p>N/A</p> <p>N/A</p>	
1.04: Semi-annual Progress Reports on CWA 319 NPS Program Activities	a.1 Final Semi-annual Progress Reports	Yes	
1.05: Annual Progress Report on Statewide NPS Program	<p>a.1 Draft Annual Progress Report</p> <p>a.2 Final Annual Progress Report</p>	<p>Yes</p> <p>N/A</p>	<p>Note that this subtask was expanded based on discussions with USEPA – Region 9 during the summer to include two (2) annual reports – 2009-10 California NPS Program Initiatives Report and the 2009-10 California NPS Program Accomplishments Report.</p>

1.06: EPA Strategic Plan Water Quality Tracking	a. Develop a presentation for the NPS/TMDL joint roundtable on integrating EPA measures WQ10 and SP12, i.e. How to Build a Measure W Watershed from Success Stories. b. Submit a minimum of one (1) WQ10 draft success story to EPA.	Yes	
1.07: NPS Program Calendar	a.1. Maintenance of calendar a.2 Email Calendar to NPS Coordinators	Yes Yes	
1.08: SWRCB CWA 319h NPS Program Performance Measures	a. Email updates to ORPP	Yes	
<u>Deliverables due this reporting period in <i>italics</i>:</u>			
1.01a.1. Semi-annual Expenditure Analysis Report (Subtask 1.01) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on September 23, 2010.)			
1.01a.2. MBE-WBE Annual Reporting Document (Subtask 1.01) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on XXXX XX, 2010.)			
1.01a.3. FFY 2005 Grant Closure Report (Subtask 1.01) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on December 09, 2010.)			
1.02a.1. Application for 2011-12 CWA 319 Grant (Subtask 1.02) (<u>Status:</u> XXXXX)			
1.03a.1. Draft Annual 2011-12 CWA 319 Workplan (Subtask 1.03) (<u>Status:</u> XXXXX)			
1.03a.2. Final Annual 2011-12 CWA 319 Workplan (Subtask 1.03) (<u>Status:</u> XXXXX)			
1.04a.1. Second Semiannual Progress Report for 2009-10 CWA 319 Grant (Subtask 1.04) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on September 23, 2010.)			
1.04a.2. First Semiannual Progress Report for 2010-11 CWA 319 Grant (Subtask 1.04) (<u>Status:</u> XXXXX)			
1.05a.1. Draft 2009-10 California NPS Program Annual Initiatives Report (Subtask 1.05) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on December 21, 2010.)			
1.05a.2 Final 2009-10 California NPS Program Annual Initiatives Report (Subtask 1.05) (<u>Status:</u> XXXXX)			
1.05a.1. Draft 2009-10 California NPS Program Annual Accomplishments Report (Subtask 1.05) (<u>Status:</u> Completed and submitted to USEPA – Region 9 on December 21, 2010.)			
1.05a.2 Final 2009-10 California NPS Program Annual Accomplishments Report (Subtask 1.05) (<u>Status:</u> XXXXX)			
1.06a. Presentation for NPS/TMDL Joint Roundtable (<u>Status:</u> XXXXX)			

1.06b. A minimum of one (1) WQ10 Draft Success Story on Restoration of NPS-Impaired Waters (<u>Status:</u> XXXXX)
1.07a.1. Update NPS Program Calendar (<u>Status:</u> The NPS Program Calendar is updated on a regular basis and is located on the NPS Program's Internal "J" Drive.)
1.07a.2. E-Mail NPS Program Calendar to NPS Coordinators (<u>Status:</u> An updated version of the NPS Program Calendar is included as part of the agenda for the monthly teleconference calls and quarterly NPS Program Roundtables to each RWQCB NPS Liason.)
1.08a.1 E-mail updates of CWA 319 Performance Measures to ORPP (<u>Status:</u> XXXXX)
Major achievement this reporting period: There were five (5) major achievements this reporting period. The first of these achievements was the submittal of the necessary documents (e.g.; SWRCB and RWQCB annual work plans, final federal application forms) to apply for 2010-11 CWA 319 Grant to USEPA on April 30, 2010. With the submittal and acceptance (on or about July 01, 2010) approximately \$10,433,400 will be available for the next five (5) year grant period. A second major achievement was the continued improvement in the development and submittal of Measure W watersheds consistent with USEPA requirements. Five watersheds of focus have been started encompassing 32 Hydrologic Unit Code [HUC]-12) of which two have already been approved by USEPA (5 HUC-12). At present the NPS Program is on target to meet our goal of 35 HUC-12 by the end of FFY 2012. The remaining three (3) accomplishments were the completion of a series of CWA 319 summary reports due during this semi-annual progress period. These reports were: (1) the 2009-10 CWA 319 First Semiannual Progress Report (Progress Report); (2) the finalization of NPS Program Annual Report (Annual Report); and (3) the 2009-10 CWA 319 First Semiannual Financial Report (Financial Report). The Progress Report details the work completed on each of the tasks contained in the SWRCB and RWQCB Workplan which are supported by 2008-09 CWA 319 funding. The Annual Report provides information concerning the accomplishments of the SWRCB, RWQCB, CA Coastal Commission (CCC), and other state agencies with NPS related authorities or responsibilities consistent with goals and activities as outlined in the 2008-13 NPS Program Implementation Plan. The Financial Report summarizes the status of all CWA 319 Grants which are currently open (e.g.; CWA 319 Grants for 2005 through 2009).
Environmental benefit expected or achieved: The environmental benefit expected or achieved through this task is to more effectively apply for and utilize the funding provided through the CWA 319 Grant Program. Because the grant projects selected and executed through the RFP provide direct water quality improvements associated with measurable load reductions (e.g.; sediment, nutrients), the more simplified and expeditious process developed by the SWRCB to get these project grants implemented results in a more timely environmental benefit than in previous years.

Task 2: NPS Financial Assistance			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
2.01. Contract and Grant Review Process	a.1 DWQ - Solicitation for implementation and/or planning/assessment project Concept Proposals (see Deliverable 2.01)	Yes	<p>Note that subsequent to the submittal of the 2010-11 CWA 319 Workplan this task was amended. The agenda item for the SWRCB (which was adopted by SWRCB Res. No. 2010-0033 on August 03, 2010) approved the 2011 CWA 319h Solicitation Guidelines, RWQCB NPS Program Preferences, and delegated responsibility for approving the final projects list to the SWRCB Executive Director.</p> <p>A total of 47 CPs were reviewed during this reporting period. The 21 FPs will not be reviewed until the next reporting period.</p>
	a.2. DWQ - Agenda item to SWRCB approving Guidelines	Yes	
	a.3 DWQ - Solicitation for Full Proposals (see Deliverable 2.01)	Yes	
	a.4 Draft 2011 CWA 319 contract/grant recipients list (see Deliverable 2.01)	N/A	
	a.5 Compliance with the nine (9) USEPA CWA 319 elements of watershed-based plans	N/A	
	a.6. Review of Concept Proposals (CPs) and Final Proposals (FPs)	Yes/No	
	a.7 Adoption of 2011 CWA 319 contract/grant recipient list by SWRCB (see Deliverable 2.01)	N/A	
2.02. Contract and Grant Agreement Development and Tracking	a.1 Provide on-line reports on status of new and active CWA 319 projects.		
	a.2 Maintain the current 7.0-month timeline required to execute contracts/grants for CWA 319 projects so that all are		

	<p>encumbered no later than the end of first year of 2010 CWA Grant</p> <p>a.3 Work with RWQCB contract managers to develop semiannual report on drawdown status of implementation grants (projects) for all open CWA 319 Grants</p>		
2.03: Grants Reporting and Tracking System (GRTS)	<p>a. DFA maintain list of grants with up to date contact information.</p> <p>b. Work with DFA to create and disburse deliverable schedule for annual load reduction reporting. Schedule will be disbursed to all Grantees, DFA staff, RWQCB NPS staff, and RWQCB Grant Managers/Coordinators.</p> <p>c. DFA to send out Annual Load Reduction (ALR) forms according to schedule.</p> <p>d. Update annual load reductions for all sediment/nutrient projects that have first year input, and enter estimates for all projects that are required to report according to schedule (see Deliverable 2.08)</p>		
2.04 319h Grant Close out Process	DWQ to coordinate post-grant close out process with DFA.		

Deliverables due this reporting period in italics:

2.01a.1. Solicitation for implementation and/or planning/assessment projects – Concept Proposals (<u>Status: xxxx</u>)
2.01a.2. Agenda item to SWRCB (<u>Status: xxxx</u>)
2.01a.3. Solicitation for implementation and/or planning/assessment projects – Full Proposals (<u>Status: xxxx</u>)
2.01a.4. Draft 2011 CWA 319 contract/grant recipient's list (<u>Status: xxxx</u>)
2.01a.5. Compliance with the nine (9) USEPA CWA 319 elements of watershed-based plans (<u>Status: xxxx</u>)
2.01a.6. Approval by SWRCB Executive Director of 2011 CWA 319 contract/grant recipients list (<u>Status: xxxx</u>)
2.02a.1. One-line status reports of new and active CWA 319 projects (<u>Status: xxxx</u>)
2.02a.2. Current 7 month timeline for execution of all contracts and grants to be encumbered by the end of the first year of the 2011 CWA 391 Grant (<u>Status: xxxx</u>)
2.03a.1. Distribute Annual Load Reduction forms to all Grantees by October 1, 2010 (<u>Status: xxxx</u>)

2.03a.2. Report to USEPA via updating of GRTS Annual Load Reductions (Status: xxxx)

2.04a.1. Notification from DFA to DWQ on Grant Status Report (Status: xxxx)

Major achievement this reporting period: There were two (2) major achievements this reporting period for this task. The first achievement was the completion of the 2010 CWA 319 RFP process through DWQ and DFA staff in coordination with NPS Program representatives from the RWQCBs and USEPA. Twenty-two (22) applicants that submitted Concept Proposals were invited-back to submit Full Proposals. A total of 14 Projects (7 Implementation Projects totaling \$3,351,953 and 7 Planning/Assessment Projects totaling \$770,761) were fully funded. The second major achievement was updating the USEPA Grants Reporting and Tracking System (GRTS) to address significant shortcomings in the mandatory fields previously entered into the system. A total of 78 implementation grants containing 94 entry errors needed to be updated properly in GRTS to meet the USEPA requirements for mandatory fields. This task required extensive coordination with DFA staff to obtain necessary background materials and was successfully completed on March 30, 2010 – 30 days prior to USEPA's deadline.

Environmental benefit expected or achieved: The environmental benefit expected or achieved through this task is to more effectively apply for and utilize the funding provided through the CWA 319 Grant Program. Because the grant projects selected and executed through the RFP provide direct water quality improvements associated with measurable load reductions (e.g.; sediment, nutrients), the more simplified and expeditious process developed by the SWRCB to get these project grants implemented results in a more timely environmental benefit than in previous years.

Task 3: NPS Program Technical Assistance and Interagency Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
3.01: Education and Outreach	<p>a. 1 At least 100 new Agricultural MP studies incorporated into the updated MP Miner database (SWRCB) (Deliverable 3.01).</p> <p>b. Updating of information and URL verification for the NPS Encyclopedia.</p> <p>c. 1 Prepare monthly agendas and summaries for phone calls and agendas for quarterly for NPS RTs; at least one RWQCB will share a successful outcome, learning experience or update on RWQCB activities that would be of interest to other RWQCBs and SWRCB staff.</p> <p>d. Develop the Monitoring Webpage. Summary report to be included as part of the Annual Report (see Deliverable 1.05).</p>		

3.02: Urban	a. Attend and participate in CAWALUP meetings either in person or remotely. As Chair of at least one green infrastructure subcommittee, develop the agenda, invite guest speakers, organize logistics for meeting and then prepare, finalize and distribute notes. (see Deliverable 3.06).		
3.03 Agriculture	<p>a. Provide of summary in the Annual Report,evaluating the progress and effectiveness of each of the RWQCBs Agricultural Waiver programs. Work collaboratively and participate in RWQCB ILRP /Grazing workshops. Focus will be to provide assistance to RWQCBs that are currently developing programs and provide them with existing program information. (see Deliverable 1.05).</p> <p>b. Participate in Food Safety Issues workgroups and work collaboratively with other agencies on reducing the impacts to WQ. Summary report to be included as part of the Annual Report (see Deliverable 1.05).</p> <p>c. Provide a summary in the Annual Report (see Deliverable 1.05) with,staff participating as a Full-time Stakeholder Adviser in the development of theRWQCB5 ILRP Long-term Program and the RWQCB7 Conditional Prohibition for Coachella Valley.</p> <p>d. Actively participate in monthly meetings as a member of the PREC to improve protective measures against pesticide exposure Provide comments to DPR as requested by DPR and SWRCB management (upon request). Provide a summary of the progress in the Annual Report. (see Deliverable 1.05).</p> <p>e. Provide a summary of the progress of the coordination efforts with DPR in the Annual Progress Report. (see Deliverable 1.05)</p> <p>f. Attend/participate in ILRP Roundtable quarterly meetings and field trips. Work with the RWQCBs to ensure the</p>		

	Implementation of the NPS Policy. Summary of progress and accomplishments will be included in the Annual Report. (see Deliverable 1.05)		
3.04 Marinas	<p>a. Coordinate with CCC on agenda, set up logistics including room, IT equipment, and teleconference number. Summary of progress and accomplishments will be included in the Annual Report. (see Deliverable 1.05)</p> <p>b. A regulatory options document as a supplement to the existing draft proposed Coastal Marinas Permit Staff Report.</p>		
3.05 Forestry	Report on coordination efforts with federal (US Forest Service) and state forestry related agencies and RWQCBs. Summary report to be included as part of the Annual Report (see Deliverable 1.10).		
3.06 Wetlands/ Riparian and stream channel modification	a. Attend CORCOM meetings as necessary to help with riparian protection policy development.		
3.07 Hydromodification	NPS staff will collaborate with Stormwater staff and the CWA 401 Certification Unit to participate and conduct "Mod Squad" meetings that will effectively function as a hydromodification IACC. The Mod Squad is an informal workgroup made up of primarily regulatory staff that aims to track the current knowledge and technology trends that relate to analyzing, preventing and mitigating the effects of hydromodification on CA's waters.		
3.08: Critical Coastal Areas	<p>a. GIS polygons for CCAs</p> <p>b. Provide assistance by commenting to SFEI on draft deliverables.</p>		

3.09 Watershed Planning	<p>a.1 Attend and participate in WMI meetings.</p> <p>a.2 Provide comments on initiatives etc. as appropriate and watershed planning workshops, as desired.</p> <p>a.3 Provide funding and/or co-sponsor two workshops on Watershed Planning for RWQCB Staff, Watershed Mgt Groups, Grantees and others as appropriate and funding availability for Tetra Tech in-kind services.</p> <p>a.4 Provide a summary of the progress in the Annual Report (see Deliverable 1.05).</p>		
3.10 TMDL Implementation Planning	<p>a.1 Attend all ongoing TMDL Roundtable meetings and telephone conference calls.</p> <p>a.2 Participate in the SWRCB TMDL & Permit Implementation Workgroup and creation of Permit Specific Template and TMDL Planner/Tracker upgrades.</p> <p>a.3 Provide a summary in the Annual Report (see Deliverable 1.05).</p> <p>b.1 Attend ongoing TMDL Roundtable Meetings and teleconferences. Summary of progress and accomplishments will be included in the Annual Report. (see Deliverable 1.05)</p>		
Deliverables due this reporting period (in <i>italics font</i>):			
3.01a.1. <i>At a minimum 100 MP additional MP studies incorporated into the MP database. (Status: xxxx)</i>			
3.01d.1. <i>NPS Monitoring Web-page including summary in the Annual Initiatives Report (see Deliverable 1.05). (Status: xxxx)</i>			
3.02a.1 <i>Summary of CA-WLUP Partnership progress will be included in the Annual Report (see Deliverable 1.05). (Status: xxxx)</i>			
3.03a.1 <i>Summary of progress and effectiveness of Regional Boards Ag Waiver programs (see Deliverable 1.05). (Status: xxxx)</i>			
3.03b.1 <i>Summary of Food Safety Issues Workgroup progress in Annual Report (see Deliverable 1.05). (Status: xxxx)</i>			
3.03e.1 <i>Summary of progress for the RWQCB5 Long-term Irrigated Lands Regulatory Program Stakeholder process and RWQCB7 Conditional Prohibition for Agricultural Discharges for the Coachella Valley will be included in the Annual Report (see Deliverable 1.05). (Status: xxxx)</i>			
3.03f.1 <i>Summary of PREC improvements to protect water quality from pesticide exposures will be included in the Annual Report (see Deliverable 1.05). (Status: xxxx)</i>			

3.03g.1 Summary of the coordination efforts with DPR will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx).
3.03h.1 Summary of the ILRP Roundtables and Field Trips will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx).
3.04a.1 Summary of the Marina and Recreational Boating IACC meeting topics and outcomes (see Deliverable 1.05). (<u>Status:</u> xxxx).
3.04b.1 Regulatory options addendum to the draft proposed Coastal Marinas Permit staff report. (<u>Status:</u> xxxx).
3.05a.1 Summary of the coordination efforts with Federal and State Forestry agencies and RWQCBs will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx).
3.07a.1 Summary of Mod Squad outcomes for will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx)
3.08b.1 Comments of SFEI deliverables for Proposition 50 grant on CCAs. (<u>Status:</u> xxxx)
3.09a.4 Summary of the WMI workgroup progress will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx)
3.10a.3 Summary of the SWRCB TMDL and Permit Implementation Workgroup progress will be included in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx)
3.10b.1 Provide a progress summary of the TMDL Roundtables in the Annual Report (see Deliverable 1.05). (<u>Status:</u> xxxx)
Major achievement this reporting period: There were three (3) major achievements this reporting period. The first was the completion of Chapter 17 – Pollution Prevention in the CA Water Plan. Consistent with Task 3.4 of the 2008-13 CA NPS Program Five-Year Implementation Plan, the purpose of this document was to define and address NPS pollution prevention through existing and proposed SWRCB and RWQCB (Water Board) programs. This chapter includes discussions on: (1) status of NPS pollution prevention and associated Water Board programs and policies; (2) NPS pollution prevention as a function of land use category; (3) major issues such as irrigated agriculture, confined animal facilities, monitoring, and emerging issues; and (4) estimated costs associated with NPS pollution prevention programs. The second achievement was coordinating the workshop and field tour concerning Implementing the Shasta River TMDL Workshop which was held on May 5 – 6, 2010. The workshop was attended by numerous staff from USEPA, SWRCB and RWQCBs, and the public. The final major achievement this reporting period was exceeding our milestone for the reporting period for the number of Success Stories that were submitted to USEPA for approval.
Environmental benefit expected or achieved: This task represents efforts in coordination by the NPS Program on a state-wide basis. The environmental benefit expected by means of: (1) educating stakeholders in various aspects of the NPS Program (e.g., general public; NPS implementation project proponents; local, state, and federal government agencies) through education and outreach materials and state and federal reporting requirements and (2) supporting MM/MP tracking and water quality monitoring activities to begin to demonstrate the environmental impact of NPS Program activities will yield environmental benefits through a better understanding of NPS impacts to water quality. Additionally, by showcasing successes and providing a tool to implement management practices, the ability to mitigate adverse impacts will be enhanced

Task 4: NPS Management Measure (MM)/Management Practice (MP) Tracking and Water Quality (WQ) Monitoring			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
4.01: Intra-Inter Agency WQ Monitoring Coordination	<p>a.1 Provide an annual summary of the collaboration efforts with SWAMP in acquiring information to address the six nonpoint source monitoring questions (e.g., trends in water quality, sources, identify nonpoint sources pollutant etc.) for inclusion in the NPS Program Annual Report. (Deliverable 4.01 – see referenced update in Deliverable 1.05)</p> <p>b.1 Provide an Summary of the progress of the California Water Quality Monitoring Council toward statewide collaboration and coordination for inclusion in the NPS Program Annual Report. (see Deliverable 1.05).</p> <p>c.1 Provide a summary on the progress of the webinars in the Annual Progress Report. (see Deliverable 1.05)</p>		
4.02: Regional Monitoring Programs	<p>For subtask a.1. – c.1 the goal is to ensure that these projects collaborate and coordinate within the statewide monitoring framework of SWAMP. Attend coordination meetings on the developments of the pilot projects. A summary report will be written on the progress of these projects and incorporated into Annual Progress Report (see Deliverable 1.05).</p> <p>a. The KBMP will work towards; 1) finalizing the Monitoring Plan, 2) developing the Communication Plan, 3) continue to develop and populate the Centralized Clearinghouse for data, and 4) identify and potential secure Longterm funding . Provide a summary on the progress of the Klamath Basin Group in the Annual Progress Report (see Deliverable 1.05).</p> <p>b. Provide a summary on the progress of the SAM Project in the Annual Progress Report (see Deliverable 1.05).</p> <p>c. If information is available a summary on progress the San Joaquin Valley coordination effort will be provided in in</p>		

	Annual Progress Report (see Deliverable 1.05).		
4.03: Water Quality Trend Analysis	<p>a.1 A summary in the progress of the assessment of stream conditions will be provided in the Annual Progress Report (see Deliverable 1.05)</p> <p>a.2 Produce several factsheets and management reports that will address to the greatest extent possible, the NPS Program's objectives/questions.</p> <p>a.3 Produce a revised poster of the finished program.</p>		
4.04 MM/MP Implementation Tracking	a.1 A summary of the needs assessment for the RWQCB agricultural waiver programs, including role of SWRCB NPS staff will be included in the Annual Report (see Deliverable 1.05).		
4.05 Management Activity Effectiveness	a.1. Provide a summary of the progress of developing the monitoring plan to NPS management activities effectiveness in the Annual Progress Report. (see Deliverable 1.05). Produce an inventory and GIS map of implemented management activities. Use this information to determine targeted watersheds and develop a monitoring design to address the three NPS water quality questions pertaining to effectiveness of NPS management programs on improving water quality (see Deliverable 1.05) .		
4.06 Land Use Based Watershed Management Effectiveness	a. Develop a guidance document for the regional boards on how to target efforts to achieve environmental results per resource issue on a watershed-scale. Base this guidance document on at least one pilot project. Potential pilot projects include: road decommissioning in Region 1, grazing in Regions 2 and 3, agriculture in Region 5, wetland and riparian restoration in Region 6, hydromodification in Region 2, and marinas in Region 9.		

	b. Develop a guidance document on how the regional boards can develop a monitoring program that can be used to evaluate the effectiveness of 319h funded projects per resource issue within targeted watersheds.		
Deliverables due this reporting period (in <i>italics</i> font):			
4.01a-c. Annual summary of the collaboration efforts with SWAMP and progress of the WQ Council toward statewide collaboration and coordination. (<u>Status:</u> XXXXX)			
4.02 a -c. Annual summary of the regional monitoring programs. (<u>Status:</u> XXXX)			
4.03 a. Summary report on the progress of the PSA and incorporated into annual progress report. (<u>Status:</u> XXXX)			
4.03 b – e. Various deliverables associated with the CMAP program including: (1) Statewide Conditions Report fact sheet; (2) NPS Report fact sheet, (3) revised poster of the finished project; and (4) Executive Director's Report. (<u>Status:</u> XXXX)			
4.04. Needs assessment report for ILRP usage of MM/MP tracking database incorporated into Annual Initiatives Report (Subtask 1.05). (<u>Status:</u> XXXX)			
4.05 Identify the agencies and programs responsible for providing funding for implementing MPs (Subtask 4.02a.4a.) (<u>Status:</u> Delayed due to staff workload priorities shifted to the development of guidelines and the solicitation of the 2010 CWA RFP.)			
4.06 a. Guidance document on how to target efforts to achieve environmental results per resource issue on a watershed-scale. (<u>Status:</u> XXXXX)			
4.06 b. Guidance document on how to develop a targeted monitoring program to evaluate the effectiveness of 319h funded projects. (<u>Status:</u> XXXX)			
Major achievement this reporting period: Due to the reassignment of Melanee Emanuel to develop the RFP for the 2010 CWA 319 Grant and assist in coordinating the development of the new Water Quality Management Plan for US Forest Service Lands, this task was not supported to the extent necessary to go beyond the normal monitoring coordination tasks (e.g.; SWAMP, Water Quality Council). The results of these tasks were previously contained in the Annual Progress Report (Deliverable 1.10).			
Environmental benefit expected or achieved: This task represents efforts in coordination by the NPS Program on a state-wide basis. The environmental benefit expected by means of: (1) educating stakeholders in various aspects of the NPS Program (e.g., general public; NPS implementation project proponents; local, state, and federal government agencies) through education and outreach materials and state and federal reporting requirements and (2) supporting MM/MP tracking and water quality monitoring activities to begin to demonstrate the environmental impact of NPS Program activities will yield environmental benefits through a better understanding of NPS impacts to water quality. Additionally, by showcasing successes and providing a tool to implement management practices, the ability to mitigate adverse impacts will be enhanced.			

Task 5: CWA 319 Contract Management

Contract Number	Milestones/Products/ Outcomes 7/08 through 12/08	GRTS data	Contract on Schedule (yes/no)
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Project Name		current (yes/no)	
5.01-California Coastal Commission (XX-XXX-XXX)	<i>Final Coastal NPS Program Biennial Report, will contain information on CCC water quality recommendations and site inspections, along with developments in wetlands and marina/recreational boating IACCs and other working groups.</i>	N/A	

NPS Program Summary of Activities for Six Month Period July to December 2010

Significant progress continues to be made on several NPS actions. Our dairy permitting team is moving forward on a permitting program for the 150+ dairies in our region. Staff has been undertaking significant outreach efforts, with plans to bring it to the Board for adoption in Summer 2011. Staff worked closely with the US Forest Service in implementing Order No. 2010-0029 "Waiver of Waste Discharge Requirements for Nonpoint Source Discharges Related to Certain Federal Land Management Activities on National Forest System Lands". Staff formed an inter-Division Liaison Team to visit each National Forest, answer questions, and discuss waiver compliance efforts in the field. We visited Klamath National Forest in October 2010, with the other Forests to be scheduled. Meanwhile, as one of the few regions that does not yet have an irrigated agriculture waiver or permit, we are undertaking the development of a waiver for both irrigated agriculture and grazing. Still to be determined is whether the waiver will be developed first in the Klamath watershed, or region-wide. Our NPS/401 complaints liaison and tracking system has expanded to include nearly all programs in our office. Two new initiatives are underway that are not reflected ; see Task 5d.

Task 1: NPS Program Coordination			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	1. Final Semi-annual Progress Report (Deliverables 1.01) 2. Completed checklist of any of the six (6) Success Story categories (see Deliverable 1.02) 3. Written Success Story based on completed checklist (Deliverable 1.03)	Y	
		Y	
		Y	
		Y	
		Y	
b. Information Exchange/Outreach	1. Participated in six monthly phone call and one quarterly RT by sharing regional success, problem, or activity. 2. Success story presentation.	Y	
		Y	
		Y	
c. Contract/Grant Proposal Development and Review	1. Participated in development of Request for Proposal (RFP) documents for SWRCB consolidated grants program 2. Coordinated with potential project proponents in developing CWA 319 project proposals	Y	
		Y	

	3. Participated in grant review process to ensure that contracts awarded to projects within the region reflect regional priorities.	Y	
d. Critical Coastal Areas	There were no actions taken during this time period	Y	
e. Nine (9) Watershed Elements Review	One e-mail per nine (9) element review verifying record to SB and EPA.	NA	
f. Measure W Activities	Summary of Measure W attainment for Garcia River	Y	This summary was not done. Staff believed that we could not show a statistically supportable change improvement of instream conditions in this time frame.
<i>Deliverables due this reporting period (in italics font):</i>			
1.01 CWA 319 semi-annual progress report (Jan-Jun 2010)			
1.02 Completed checklist of any of the six (6) Success Story categories			
1.03 Written Success Story based on completed checklist			
Major achievement this reporting period:			

Task 2: Contract Management:			
Contract Number Project Name	Milestones/Products/ Outcomes 7/10 through 12/10	GRTS data current (yes/no)	Contract on Schedule (yes/no)
1. No. 06-247-551-0 Trinity County Watershed TMDL Implementation Project	The Project Director requested a budget-line item shift, which was completed and approved. In August the Grant Manager visited Trinity County and inspected the completed road work, as well as an educational program for elementary kids. 95% of the project implementation was completed in 9/2010. Photodocumentation ongoing. The draft project report, monitoring report and end of season report have all been received. The draft Final report is expected in 1/2011. This project treated a total of 70.32 miles of road , 996 acres of post fire treatment, resulting in sediment savings of 44, 212 cu yds.	Yes	Yes
2. No. 06-249-551-0 Shasta Water Association Dam Demobilization and Water Quality Enhancement project	Grant closed out. Load reduction report was submitted.		Yes
2. No. 07-544-551-0 Scott River Road Sediment Source Reduction	One year extension requested and not completed by the State Board. All proposed road work has been completed; however, water quality monitoring will not be completed under the grant unless the extension is granted. Klamath NF will continue monitoring water quality for a total of two years with reports to follow.		No – One year extension requested for grant
3. No. 07-502-551-0 Navarro River Watershed Sediment Reduction Project	A majority of the field work has been completed for Grant. The contractor "Ridge To River" applied Dri-water irrigation and submitted a draft final report. PAEP and CEQA completed; Navarro Watershed Work Group is 75% complete; Stream bank restoration; Hallomas sites is complete; Denmark Creek Site is 65% complete; photo monitoring for Hallomas site is complete. Pre-site photo monitoring for Denmark site is complete. Workshop planned for October 2010 postponed until later date.	Yes	Yes

4. No. 07-500-551-0 Salmon River Road Restoration, Phase 3 North Fork	One year extension granted by State Board staff. Construction is the last task to be completed. Road work to start in 2011 construction season and to be completed by fall 2011, with water quality monitoring and reporting to follow. Klamath NF will continue monitoring water quality for a total of two years.		No
5. No. 07-501-551-1 Fish Rock Road Sediment Reduction Project	Mendocino County Department of Transportation has finished up with the biological and archaeological assessment required for the CEQA analysis. The inventory of road related sediment sources have been compiled for the majority of the road, with some additional work to be finalized. Implementation of the work associated with the project has not begun due to the additional CEQA analysis required by Regional Board and Fish and Game staff. An extension of the timelines associated with the grant was approved in 2010.		No – CEQA problems led to request for 2-year extension. Approved by our staff and the State Board. All work shall be completed by December 31, 2013. No Funds shall be requested after February 1, 2014.
6. No. 09-666-551-0 Shasta River Watershed Tailwater Reduction Project (Phase 2)	The grant was executed and tailwater monitoring occurred throughout. Several projects have been identified and engineering, permitting and CEQA are underway.		Yes
7. No. 09-667-551-0 Estero Americano Watershed Sediment Reduction Project - Phase II	Monitoring Plan and Quality Assurance Project Plan were both approved. Draft Strategy for Education and Outreach Material were reviewed. Selected two Ranch sites to be used for Demonstration at Workshops and maps were received. Draft Workshop series list were received. Activities during this period were focused on finding a suitable engineer for project design and water quality monitoring. Goldridge RCD staff assisted one landowner to sign up for EQIP Funding and another landowner will qualify next year for funding. Also interviewed multiple engineers and conducted some pre-construction photo monitoring of restoration sites. Two Quarterly Water Quality Monitoring Reports were received.	Yes	Yes
8. No. 09-669-551-0 Scott River Riparian Restoration Project	This grant was executed, and the first progress report was received in November. They have completed their PAEP and are 50% complete with their CEQA requirements. Geomorphic survey data is being compiled into ArcGIS. Maps of the surveyed reaches are being created.		Yes
9. No. 08-603-551-0 Mattole WQ Enhancement Project	To date, a total of 86,810 cubic yards of Sediment was stabilized at 149 sites through this project. The grant manager has had many difficulties with this Grantee administratively. Mattole Salmon Group conducted Rapid		No – Behind schedule on progress reports. Have requested both invoice and progress report and should receive them shortly.

	Stream surveys. Updates to website and library were performed. Newsletters were delivered in a timely manner. Photo monitoring ongoing as well as downloading all data from the water quality monitoring devices		
10. No. 08-608-551-0 SF Trinity River WS Restoration	This grant is progressing well, 80% of CEQA requirements are complete. Photodocumentation is ongoing as road upgrades and decommissioning are progressing well. Outreach activities in clue, updating websites, meetings, and newsletters.		Yes
11. No. 08-612-551-0 SF Elk River Erosion Prevention Project	The project implementation work is nearly complete. Work within the Little Elk South Fork River continued thru 9/10. Photodocumentation is ongoing and a site visit is scheduled for 2011. Up to date on MBE/WBE documentation. All site-specific workplans were received.		Yes
12. No. 09-664-551-0 Garcia Headwaters TMDL Implementation Project	This grant was executed during this period. Pacific Watershed Associate's road logs and erosion control prescriptions have been developed, submitted, and reviewed for 2 out of the 3 properties associated with the grant. Erosion control work has been implemented on portions of the Barr 7 Ranch and Pardaloe Ranch in association with previously approved federal EQIP funding (match) being administered by the Natural Resource Conservation Service (NRCS). The road log for the Mailliard Ranch is expected to be submitted during the spring 2011. Implementation of the Pacific Watershed Associates prescriptions will begin as soon as an addendum to the CEQA analysis for the project is completed.		Yes
Major achievement this reporting period:			

<u>Task 3: TMDL Implementation</u>			
<i>Subtask</i>	<i>Milestones</i>	<i>On Task (yes/no)</i>	<i>If no, discuss obstacles and problems encountered; list any modifications to milestones</i>

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	Klamath River Estero de Santa Rosa Navarro River Garcia River Salmon River Trinity River	Y Y Y Y Y Y	
c. Specific progressive enforcement and /or regulatory actions	Klamath River 1. See Tasks 5.a, 5.b, and 6.b. Estero de Santa Rosa 2. Work continues on a new TMDL for the Estero. Early implementation is in process, helped largely by the dairy permitting effort (Task 4) Navarro River 3. See Tasks 5.a, 5.c, and 5.d. Garcia River 4. See Tasks 5.a, 5.c, and 5.d. Salmon River 5. See Tasks 5.a, 5.b, and 6.b. Trinity River 6. See Tasks 5.a, 5.b, and 6.b.	Y	Rather than issue WDRs for Siskiyou County roads, TMDL and NPS staff believe that a third-party program (5C) certification is a better way to ensure TMDL compliance by five north coast counties (Siskiyou, Trinity, Del Norte, Humboldt, and Mendocino), not just Siskiyou (Task 6.a.)
<i>Deliverables due this reporting period (in italics font): The below deliverables are delayed, because the project has restarted. Adoption of the waiver is scheduled for August 2011 (See Task 4b.).</i>			
<i>3.01 Region-wide permit/waiver for dairies (12/10) (Delayed, see above explanation.)</i>			
<i>3.02 Develop a Regional Board Order and accompanying waiver certifying the 5 Counties Road Program (12/10) (Delayed, see above explanation.)</i>			
<i>Major achievement this reporting period:</i>			

Task 4: NPS Implementation – Dairies			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Outreach	<p>July 2010 -- Met with Sotoyome & Gold Ridge RCDs; Attended Farm Bill presentation by Alan Forkey, NRCS, Davis, w/EPA in SFO; Sent public notice to 400+ people on dairy and Basin Plan mailing list re: scoping meeting; Public Scoping meeting in Santa Rosa/Eureka (<i>Deliverable 4.01</i>); RB staff toured dairies w/ Western United Dairymen (WUD), NRCS, RCD staff</p> <p>August 2010 -- Met with Laguna de Santa Rosa group to discuss WQ; Met with Sonoma Farm Bureau and WUD re: Dairy Program</p> <p>Fall 2010 --telephone calls with NRCS/RCD staff to explain/discuss Dairy Program approach</p> <p>September 2010 -- Laguna de Santa Rosa meeting w/ Dairymen and TMDL staff; Executive Officer report to the Board in September 2010 on status of dairy permitting effort (<i>Deliverable 4.02</i>)</p> <p>October 2010 -- Conf call w/Tetra Tech and EPA re: Dairy info Contract + ongoing monthly calls; Finalized Contract with EPA and TetraTech to do dairy mail list, map, assessments</p> <p>November 2010 Met with Jovita P. from USEPA to discuss Dairy Program; Met with R2 staff to discuss coordinating Dairy Programs; Sent Tetra Tech draft Dairy Mail List per EPA Contract; Attended UC Extension Ranch Water Quality workshop in Eureka, gave brief Dairy Program Update to 50 attendees</p> <p>December 2010 -- Attended Animal Resources Committee Meeting; Update Dairy Program; Attended R5 Board meeting adopting GWDRs and NPDES dairy permits; email discussions with NRCS, re: need for NMPs, funding, & further meetings; Sent CEQA Public Announcement to 690 people for Jan 12, 2011 workshop (<i>Deliverable 4.03</i>); Sent Dairy Contact Info questionnaire and cover letter to 200 dairy addresses (<i>Deliverable 4.04</i>); Weekly emails to Tetra Tech regarding results of Dairy Contact Info Forms received per EPA Contract.</p>	Y	

b. Permitting	NPDES CAFO Permit, General WDRs for Dairies, Waiver of WDRs.	N	On track for adoption hearing in August 2011. delay from projected January 2011 adoption due to "re-boot" of dairy effort.
<i>Deliverables due this reporting period (in italics font): Below are interim deliverables (4.03, 4.04 and 4.05), because the Project have been delayed due to its restart. Adoption of the permit is scheduled for August 2011.</i>			
4.01 Report to the Board in October 2010 on status of dairy permitting effort 4.02 One completed General WDRs and waiver of WDRs. Staff report to Board, followed by adoption (Task 3) (Delayed, see above explanation.) 4.03 CEQA Public Announcement 4.04 Summary on the progress in the Annual Progress Report (see Deliverable 1.05) completed. 4.05 Presentation of the Public Scoping meeting in Santa Rosa/Eureka 4.06 Dairy Contact Info questionnaire			
<i>Major achievement this reporting period:</i> Significant and wide-ranging public outreach efforts as part of our dairy program development.			

<i>Task 5: NPS Implementation – Pre-Permit Development Groundwork</i>			
<i>Subtask</i>	<i>Milestones</i>	<i>On Task (yes/no)</i>	<i>If no, discuss obstacles and problems encountered; list any modifications to milestones</i>
a. County Roads Conditional Waiver	Staff proposes that the Five Counties Salmon Conservation Program (5C) be certified as a third-party program under the TMDL program, and issue a conditional waiver to each county. This will accomplish TMDL and NPS compliance for county roads in five north coast counties (Siskiyou, Trinity, Del Norte, Humboldt, and Mendocino). Staff gave presentation to 5C County Road Department managers and staff in Hoopa, CA on July 21, 2010 (Deliverable 5.01) Plans are to bring to adoption in FY 2011-12.	Y	
b. Irrigated agriculture and grazing waiver	TMDL and NPS staffs are developing a region-wide irrigated agricultural conditional waiver. Previous plans to first develop the waiver for the Klamath Basin have changed, in order to more efficiently utilize staff resources. It will meet the TMDL Action	Y	

	Plan for the Klamath basin. Adoption slated for 2012.		
c. Vineyard WDRs and waivers	Vineyards will be addressed as part of Region 1's irrigated agricultural waiver (see Task 5.b above)	Y	Milestones shifted to encompass region-wide agricultural waiver, including vineyards. Slated for December 2012
d. Wood for Salmon Waiver/Mendocino County Coordinated Permit Program	"Wood for Salmon Waiver", a coordinated draft permit (waiver) that would include (overlapping) sidebars and mitigations associated with all of the state and federal agencies relative to wood loading projects. This conceptual permit could help facilitate wood loading and can be done in conjunction with or without timber harvest activities. This is being undertaken by representatives from NOAA, DFG, Water Board, CalFIRE, and CGS. On a similar track, Mendocino County RCD and NRCS are developing a Coordinated Permit Program. This program proposes several "conservation practices" including stream habitat improvement and management, such as woody debris modification and installation of log and boulder structures. We expect this coordinated permit program to be up and running in the next year or so. On a similar track, staff are working on an expedited process for permitting the placement of large woody debris in streams, often in concert with timber harvest plans	NA	These are new initiatives, not listed on our Five Year Plan or our Annual Workplan.
e. Coordination with Region 1 Basin Planning and TMDL unit efforts	Basin Planning unit has been focusing primarily on non-NPS amendments. However, we have been coordinating on amendments for Site Specific Objectives (SSO) for Dissolved Oxygen in the Klamath mainstem for the TMDL.	Y	
f. Miscellaneous pre-permit development activities	Comments on environmental documents.	Y	

Deliverables due this reporting period (in italics font):

5.04 Agenda for the *presentation to 5C County Road Department managers and staff*

Major achievement this reporting period: *Participating in new permitting initiatives ("Wood for Salmon" Waiver/Mendocino County Coordinated Permit Program) for replenishment of wood in streams and habitat restoration.*

<i>Task 6: NPS Implementation – Miscellaneous NPS Activities</i>			
<i>Subtask</i>	<i>Milestones</i>	<i>On Task (yes/no)</i>	<i>If no, discuss obstacles and problems encountered; list any modifications to milestones</i>
a. US Forest Service Nonpoint Source Activities	Staff worked closely with the US Forest Service in implementing Order No. 2010-0029 "Waiver of Waste Discharge Requirements for Nonpoint Source Discharges Related to Certain Federal Land Management Activities on National Forest System Lands". Formed Liaison Team to visit each National Forest, answer questions, and discuss field inspections. Visited Klamath National Forest in October 2010.	Y	This item was previously under the Pre-Permit Development (Task 6)
b. As-needed efforts on unregulated NPS activities and facilities	1. Various inspection memos on grazing, vineyards and other agricultural activities. 2. Semi-annual progress reports	Y	A staff report to the Board on NPS activities was not presented. Will be done in second half of FY 2010-11
c. Complaint response	1. Region One instituted a new complaint tracking system, assigned a staffer as "complaint liaison" who, utilizing a spreadsheet, tracks our response (if any) to complaints. We have expanded it to include most of the programs in our office. (Deliverable 7.01) 2. In response to complaint from Elk River downstream neighbor about grazing activities, staff requested Mr. Andy Westfall to develop grazing management plan. Staff instituted coliform monitoring program to determine potential impact from grazing activities. Staff issued "Discussion Regarding Concerns of Elevated Bacteria Concentrations in SF Elk River As A Result Of Westfall Ranch Cattle Operations." Results show little impact and no further monitoring is foreseen (Deliverable 7.02).	Y	
d. Ongoing enforcement and permit oversight	1. Cleanup and Abatement Orders issued for removal of illegal dams in the Navarro watershed 2. NOVs issued to Caltrans for discharge of sediment and operating outside of work windows	Y	
e. Outreach	See outreach efforts under above tasks, in particular 3.a and 4.a.	Y	
f. Participation in statewide or regionwide policy	Working with State Board staff on statewide US Forest Service Nonpoint Source waiver.	Y	

development			
<i>Deliverables due this reporting period (in italics font): Below are interim deliverables.</i>			
6.03 Complaints tracking spreadsheet			
6.04 Report "Discussion Regarding Concerns Of Elevated Bacteria Concentrations In SF Elk River As A Result Of Westfall Ranch Cattle Operations"			
<i>Major achievement this reporting period:</i> Instituted new complaint response and tracking system. Undertook monitoring study on impacts of grazing operation on Elk River, Humboldt County			

NPS Program Summary

NPS tasks were generally on track this period. **Task 1: Program Coordination:** The NPS coordinator and other staff completed the Semi-Annual Progress report for January through June 2010 and attended monthly phone calls and quarterly NPS/TMDL Roundtable Conference Calls in July and October. **Task 2: Contract/Grant Agreement Management:** Existing grants were on schedule and milestones met; work began on two 2008-9 year grants. Four 2009-10 grants are awaiting grant agreements, which have been delayed due to State Board staffing and workload issues. Region 2 staff were part of a technical review panel for 2010 RFP application and review process. Staff took part in reviews of over 60 concept proposals for planning and implementation grants. Two planning and two implementation grants in our Region have been asked back for full proposals. **Task 3: TMDL Implementation:** Staff continued work on trainings and outreach, participated on a variety of advisory committees and stakeholder groups on developing and reviewing technical documents, and made site visits to review implementation projects. **Task 4: Stream and Wetland Systems Protection Policy:** Staff completed the CEQA Scoping, completed external peer review of draft Basin Plan Amendment and Staff Report, and prepared sediment and habitat parameters for performance criteria. **Task 5: Waste Discharge Requirements Waivers for Grazing Lands:** We continued successful implementation of our new WDR waiver for grazing in the Tomales Bay watershed and continued work on a grazing waiver for Sonoma and Napa Counties, as required by completed pathogen and sediment TMDLs in both watersheds. **Task 6: Other Hydromodification, Fisheries and Stream Protection Projects:** Staff worked with National Park Service and other resource agencies on Big Lagoon and Redwood Creek Restoration Project in Marin County and reviewed and commented on NOAA Fisheries Coho Salmon Recovery Plan.

Task 1: NPS Program Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	1. Submitted semi-annual progress report for January through June 2010. 2. Submitted NPS 5-Year Plan Annual Update to State Board in September for 2009-10 Annual Initiatives Report. 3. Contributed information on NPS success stories to State Board for inclusion in 2009-10 Annual Accomplishments Report	Yes Yes Yes	
b. Information Exchange/Outreach	1. NPS coordinator and/or other staff participated in monthly phone calls and roundtables, including conference call Roundtables in July and October. [note: R2 will host next Roundtable in May 2011]	Yes	
c. Contract and Grant Proposal Development and Review	1. Staff continued participation in workgroup with State Board and US EPA to revise the guidelines, RFPs and review criteria for the 2010 319(h) grant process for concept proposals. 2. Staff developed specific program preferences for grant funding in Region 2 and coordinated closely with potential project proponents in developing grant proposals. 3. Staff reviewed documentation for compliance with the Nine Elements (9-elements) for the four new planning and implementation grants approved in April 2010. Existing grants have met 9-elements reviews. 4. Staff participated on a technical review panel for planning and implementation concept proposals for the 2010-11 grant applications. Four concept proposals (two planning; two implementation) from Region 2 were asked back for full proposal submittals.	Yes Yes Yes Yes	

d. Critical Coastal Areas and Other Interagency Coordination Committees (IACC)	1. CCA Activities – There has been no activity this period related to San Mateo pilot project or statewide CCA.	No	CCA pilot in San Mateo County is on suspension due to San Mateo and Coastal Conservancy staff retirements, leaves and transfers. It is not clear when the team might be reassembled and work re-started. We will continue to track this task and stay involved as appropriate.
	2. Staff continues to track Marina and Wetlands IACC Subcommittees' progress.	Yes	

Deliverables due this reporting period: Progress report January through June 2010, Nonpoint Source Annual Report on 5-Year Plan Implementation, Success Story Checklist.

Deliverables (all submitted previously): Semi-annual Progress Report for January through June 2010 (1.03); Nonpoint Source Annual Report Submittal (1.05); EPA 9-element reviews submitted to State Board via email (1.07). Also submitted was information for Annual Accomplishments Report. Note that Success Story requirements are still in discussion with State Board staff.

Major achievement this reporting period: Completed Semi-annual Progress Report for January through June 2010. Completed annual update report on 5-Year Plan progress. Attended monthly phone calls and quarterly Roundtables. Worked with 319(h) grant recipients to finalize new grant agreements. Worked with NPS/Grant Coordinators working group, which resulted in updated 319(h) grant guidelines and Concept Proposal review questions. Participated on a technical review panel for the 2010 planning and implementation grants. Four new grants were successful in being invited back to submit full proposals in February 2011.

Environmental benefit expected or achieved: Development and implementation of outcome-based workplan and progress reports. Improved communication among State and Regional Boards and EPA, leading to increased environmental benefit in terms of reduced NPS pollutant loadings. Improvement in grant application process and successful submittal of grant proposals leading to TMDL implementation.

Task 2: 319 Contract/Grant Agreement Management

Contract Number Project Name Organization	Milestones/Products/ Outcomes 7/10 to 12/10	GRTS data current (yes/no)	Contract on Schedule (yes/no)	If no, discuss obstacles and problems encountered
06-245-552-0 Demonstrating Road Reduction Improvements Napa Resource Conservation District	Several large-scale projects to reduce sediment delivery from road-related erosion were completed in the Carneros Creek tributary of the Napa River watershed. Final results confirm that these projects will reduce future sediment delivery to Carneros Creek by approximately 10,000 tons or by about 5 to 10 percent of total sediment delivery from all land uses.	Yes	Yes	The project was completed on schedule on 12/31/10 and final report received.
06-246-552-0 Students and Teachers Restoring a Watershed (STRAW) Project The Bay Institute	Implements creek restoration and revegetation projects involving students, teachers and the local community, with water quality goals of lowering temperatures, reducing nutrient inputs, and decreasing sediment loads in two TMDL watersheds. From July through December 2010, STRAW's work focused on regular monitoring and maintenance of previously revegetated project sites.	Yes	Yes	Grant was successfully completed on schedule on 12/31/10 and final report submitted.

(TBI)	Project sites were visited a minimum of once per month, depending on the site and the extent of weeding and irrigation to be undertaken. DriWater was replaced a minimum of 3 times per season. Irrigation lines were checked for leaks and to ensure that timers are functioning. The presence of invasive weeds at all sites was high this year due to the heavy rainy season. Project sites were extensively weeded at least once per month to ensure that invasives do not choke out recently installed native plants.			
08-611-552-0 Lagunitas Creek Water Quality and Habitat Improvement Project Marin Municipal Water District (MMWD)	Project will reduce stream sedimentation by treating high priority erosion sites along Lagunitas Creek, Marin County. Includes work at 44 sites on Marin Municipal Water District, State Parks, and National Park Service lands. Work was completed on the Cheda and McIsaac ranches, which are major sediment contributors to Cheda Creek and mainstem Lagunitas Creek. Work was done to finalize designs for the Cross-Marin Trail and Dog Creek. Working on CEQA, which is expected to be finalized in early 2011.	Yes	Yes	
08-609-552-0 Napa Rutherford Reach Restoration Phase II County of Napa	Project will implement an ongoing restoration along two miles of a 4.5 mile restoration project on the Napa River, including bank grading, floodplain revegetation, berm setbacks, and instream habitat enhancement. Grantee submitted 100% design documents in June. All landowner agreements and permits completed and construction activities began in July. Board staff inspected restoration sites in October. Completed activities included grading benches and harvesting select trees. All Large Woody Debris structures and grade control structures have been installed.	Yes	Yes	
09-668-552-0 Conserving Our Watersheds (COW) Phase II Grazing Waiver Compliance Marin Resource Conservation District (RCD)	Using a multi-agency approach the RCD will combine and coordinate with other Marin agricultural resource agencies to implement a program to improve water quality on grazing lands in Tomales Bay Watershed. Through this grant, workshops, on-farm planning, site visits, reporting and monitoring capacities needed for waiver compliance will be put in place. In addition, this grant will result in the implementation of on-the-ground Management Practices using the information developed through the ranch planning process. Ranchers will be provided with: 1) ranch planning and permitting assistance; 2) technical/engineering expertise; 3) construction contractors to implement management practices and 4) maintenance and monitoring guidance. Task milestones for this FY are expected to be draft and final	Yes (project just started)	No	Grant agreement was finalized, but grant work is now on hold as grantee has requested amendments to the Budget.

	model Ranch Plans, workshops, project selection criteria, design manuals and project design plans for construction projects (projects to be implemented through grant funds).			
09-670-552-0 Hicks Flat Mercury Remediation Association of Bay Area Governments (ABAG)	The project will remediate an estimated 2700 cubic yards of mercury mining waste rock at Hicks Flat located in the Rancho de Guadalupe area of the District's Sierra Azul Open Space Preserve. During this period grantee completed PAEP, Monitoring Plan and QAPP, identification of stream reaches for project and monitoring locations, and RFP/Q circulated for remediation design proposals. Currently in process of choosing consultant for remediation plan.	Yes	Yes	
PIN 19027 Tomales Bay Pathogen Reduction BMPs on Parklands Point Reyes National Seashore (PRNS)	PRNS, in collaboration with ranch operators and local, State and Federal agencies, plans to implement a series of pathogen BMPs at select locations within the agricultural lands managed by the National Park Service within the Tomales Bay Watershed. Eighteen BMPS will be implemented at 13 treatment locations to address animal concentration and watering areas adjacent to streams and wetlands during the rainy season. Proposed BMPs include riparian fencing and revegetation, upland water development and controlled crossings of stream. The implementation of these BMPs will reduce pathogen loading into storm water runoff delivered to Tomales Bay.	No	No	Staffing issues at State Board have delayed development of Scope of work, which is currently being developed. Discussion of scope of work was postponed to the beginning of 2011. Grantee is coordinating work to be performed under this grant with work being performed under a Coastal Conservancy grant in order to maximize benefits.
PIN 19062 Implementing the Fine Sediment TMDL in the Napa River Watershed through the Fish Friendly Certification Program California Land Stewardship Institute	The Napa River fine sediment TMDL identifies the Fish Friendly Farming Environmental Certification Program as an implementation mechanism for reducing sediment loading on agricultural lands and requires widespread certification of agricultural lands by 2014. The TMDL identifies the need for a 51% reduction in sediment from vineyards (18,000 tons/year), roads (27,000 tons/year), channel erosion (18,000 tons/year), and shallow landslides (15,000 tons/year). This project would provide for sediment source reduction on 10,000 acres, for an estimated load reduction of 39,000 tons of fine sediment per year. Additional stream and river corridor restoration and road repair will increase sediment load reduction and increase riparian habitats.	No	No	Staff changes and workload at State Board DFA have delayed grant agreement and start of work. Region 2 Grant Coordinator will be working with State Board to resolve the delay and move ahead with grant agreement within the next few months.
PIN 19112 Napa River Sediment TMDL Monitoring Program Napa County Resource Conservation District (RCD)	Project will establish an integrated monitoring program to assess effectiveness in attaining the numeric targets listed in the Sediment TMDL and track trends in steelhead and salmon populations in the Napa River Basin by (1) developing a detailed monitoring plan that provides a high level of statistical confidence in the reported results, and (2) implementing a one-year pilot sampling effort to begin establishing an initial baseline, improve estimates of monitoring costs, and test whether the proposed monitoring design is likely to meet its objective. The project will address effectiveness monitoring using the two TMDL numeric targets (spawning gravel permeability and streambed scour) and	No	No	Staff changes and workload have delayed grant agreement and start of work. Region 2 Grant Coordinator will be working with State Board to resolve the delay and move ahead with grant agreement within the next few months.

	provide critical information for adaptive implementation.			
PIN 19022 Developing Prioritization Criteria for Reach-Scale Enhancement and Incision/Erosion Projects in Sonoma Creek Watershed Sonoma Ecology Center (SEC)	This project will produce a science-based methodology and set of criteria to prioritize stream restoration sites in the Sonoma Creek Watershed. SEC will apply the criteria and methodology to evaluate stream reaches and sites and identify ten or more that should be restored to reduce sediment loading, improve stream stability, and enhance aquatic habitat. Project will fill data gaps and upgrade analysis tools to support reach- and site-scale decisions, as decided by an expert science panel. The resulting methodology and field data will be captured in a digital spatial analysis system that will be used as a foundation for decisions for future restoration sites.	No	No	Currently we have a draft agreement awaiting review by the Program Analyst at State Board. There have been multiple staff departures in the grants unit and an excessive workload, which has resulted in delaying the grant agreement. We are waiting for the Program Analysts review for input on next steps to getting to grant execution.
Major achievement this reporting period: Successful completion of grant tasks as scheduled, with project milestones achieved. Two grants completed during this time period. Four concept proposals asked back for full proposal submittal.				

Task 3: TMDL Implementation

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1.c. Lagunitas Creek Sediment TMDL	1. <u>Roads Waiver</u> – staff are evaluating whether a roads WDR waiver will be necessary or whether adequate progress is being made through the Lagunitas TAC Roads MOU with local and state agencies. Significant progress has been made by Marin Municipal Water District, Marin County Open Space District, SPAWN (non-profit) and State Parks Dept. on road management activities.	Yes	
	2. <u>Updated Sediment and riparian management plan</u> – Staff continued working with Marin Municipal Water District (MMWD) as part of Lagunitas Creek Technical Advisory Committee (TAC). MMWD's revised sediment and riparian management plan is currently under review by Water Board staff; comments are expected in March 2011.	Yes	
	3. <u>San Geronimo Salmon Enhancement Plan</u> – Marin County has completed Salmonid Enhancement Plan (SEP), a science-based approach to developing riparian and stream protection measures for new and existing development in February 2010. Water Board staff have continued to participate with local stakeholders and SPAWN (Salmon Protection and Watershed Network) in moving ahead with implementation of the SEP, as well as attending public meetings and providing direct technical input to the County and local homeowners.	Yes	

	<p>Staff are working closely with Marin County and the Coastal Conservancy on a Conservancy-funded project to implement the homeowner component of the Plan. Staff have provided verbal comments to the County and attended a public outreach meeting in mid-December.</p> <p>4. <u>EIR Review of Sir Francis Drake road widening project</u> – Staff commented on the EIR in June (letter submitted with previous report) and had several follow-up meetings with Marin County during this period. Water Board staff believe that the widening plan has potential significant impacts on the riparian zone of Lagunitas Creek.</p> <p>5. <u>Review of Gallagher Well water rights</u> and potential effect on flow conditions in Lagunitas Creek – this project is currently inactive.</p> <p>Other tasks accomplished during this period as part of Lagunitas Creek TMDL include working with Trout Unlimited (TU) to relocate trails too close to the creek and to replace a failed culvert on Devil's Gulch (major tributary to Lagunitas Creek) to reduce sediment loads. Staff are also working with TU on a process to place large woody debris into Devil's Gulch for fishery habitat enhancement.</p> <p>Another action by staff in December was to initiate a grant coordination group for funding agencies to coordinate on grants for the Tomales Bay and Lagunitas Creek Watersheds with the goal of avoiding duplication of efforts and providing synergies to existing and future projects.</p>	<p>Yes</p> <p>No</p>	<p>Progress on this task depends on future local and state actions. We will continue to track progress and work with local landowner, MMWD and State Board to resolve environmental concerns.</p>
Deliverables due this reporting period: Written plan for developing Public Roads WDR Waiver (3.c.1.01); Review comments on Sir Francis Drake EIR (3.c.4.01) (note submitted with previous semi-annual report), others TBD. Note that final designs for Marin RCD COW grant #09-668-552-0 (3.a.1.01) have been delayed due to delay in grant implementation.			
Deliverables submitted with this report: None (see notes above).			
Major achievement this reporting period: Continued involvement with Marin County on San Geronimo SEP implementation and Sir Francis Drake road widening proposal; initiation of grant coordination group; work with Trout Unlimited on Devil's Gulch sediment reduction projects.			
Environmental benefit expected or achieved: Reduction in sediments through erosion control and bank stabilization projects; preservation and enhancement of stream functions; education of stakeholders on environmentally sound management practices and stream protection. This work aligns with early implementation of the Lagunitas Creek sediment TMDL that is under development.			

Task 4: Stream and Wetland Systems Protection Policy

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
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a. CEQA Scoping	Completed the CEQA Regulatory Analysis in July 2010, Response to comments in October 2010. Completed external peer review process of the draft Basin Plan Amendment language and supporting Staff Report in 2010.	Yes	We have not completed all the tasks on schedule as originally targeted because development timelines for some tasks have changed due to: the natural evolution of the project; extensive scientific inquiry to produce a policy consistent with current understanding of stream and wetland system protection, restoration, and management; and resource intensive coordination with the State Water Board to ensure consistent state and regional policies.
b. Conduct public outreach and scoping meetings	The draft BPA and supporting Staff Report for the Stream and Wetland Systems Protection Policy have gone through external scientific peer review. We anticipate holding public workshops in April 2011	No	
c. Develop draft Basin Plan Amendment (BPA)	We anticipate bringing the Draft BPA on Stream and Wetland Systems Protection Policy before the Water Board for adoption in August of this year.	No	
d. Revise Stream Circular Guidelines for Permitting	We have developed a collection of sediment and habitat parameters that can be developed into performance criteria using appropriate methodologies to account for a wide range of project-specific factors including project-site and watershed factors (e.g., geology, climate, vegetation, and current and historic land use), the nature and scope of project activities, requirements of applicable water quality objectives, and potential project impacts on water quality. These parameters have gone through external scientific peer review and will be included in a public review draft of the Staff Report. Staff are working on a revised Stream Circular, anticipated to be completed by mid-2011.	Yes	
e. Draft model language	We have developed an implementation manual that will serve as a guidance document for local governments. Once the Policy is adopted we will continue to develop guidance documents for local governments including developing model language for local land use planning tools such as general plans and stream protection ordinances.	No	

Deliverables due this reporting period: CEQA Regulatory Analysis (4.01), Response to Comments (4.02).

Submitted with this report: SWSP Regulatory Analysis Document (4.01). Response to Comments will be completed in July 2011.

Major achievement this reporting period: Completed external peer review process for draft BPA and Staff Report; developed sediment and habitat parameters to use for performance criteria, which have gone through external peer review and will be included in public review draft; and developed an implementation manual that will serve as a guidance document for local governments.

Environmental benefit expected or achieved: Stream and Wetlands policy designed to protect and restore the water quality functions provided by stream and wetland systems, in order to protect beneficial uses defined in the Basin Plan.

Task 5: Waste Discharge Requirements Waivers for Grazing Lands

Subtask	Milestones	On Task	If no, discuss obstacles and problems encountered; list any
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		(yes/no)	modifications to milestones
a. Implement Grazing Waiver for Tomales Bay Watershed	The Conditional WDR Waiver for Grazing Activities, adopted by the Water Board on July 8, 2008, implements the Tomales Bay Pathogen TMDL (adopted in 2005) and the Walker Creek Mercury TMDL (adopted in 2007). This waiver also serves to provide early implementation of control actions for the nutrient and sediment impairments identified for Walker Creek and Tomales Bay. Landowners/operators are required to submit an Annual Certification and Compliance Monitoring Documentation (Annual Report) on November 15 each year. As of December 21, 2010, we have received and reviewed Annual Report submittals for 88 parcels, approximately 40% of those required. The next step will be to send reminder letters in January 2011 to those landowners/operators who have not submitted their Annual Reports.	Yes	
b. Develop and Implement Grazing Waiver for Sonoma and Napa Counties	Board staff continued to meet with local representatives to develop working draft of Grazing Waiver. Public meeting scheduled for 12/10 was postponed until 1/11. Draft waiver for public review and comment is expected in early 2011. CEQA documents are expected in spring 2011. Board adoption of the waiver is anticipated for July 2011.	Yes	Task is on schedule. Internal draft waiver has been completed but will not be available for public review until early 2011.
Deliverables due this reporting period: Inspection Reports (5.01), Draft Grazing Waiver for Sonoma and Napa Counties (5.02)			
Submitted with this report: No deliverables submitted (inspections not done and waiver submittal will be scheduled for next period).			
Major achievement this reporting period: Ongoing response and work with grazing waiver landowners and agricultural organizations, review of annual certifications for Tomales Bay grazing waiver, ongoing work on grazing waiver for Sonoma and Napa Counties.			
Environmental benefit expected or achieved: Measurable reductions in nonpoint source pollutants from confined animal facilities, reduced fine sediment loads from roads and creekbanks; reduction in pathogens from boating management practices; reduction in sediments, nutrients and pathogens from grazing lands.			

Task 6: Other Hydromodification, Fisheries and Stream Protection Projects

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Big Lagoon and Redwood Creek restoration project	Phase II implementation began in August 2010. Actions implemented this period included: excavation of 650 linear feet of the new channel in Green Gulch pasture; excavation of two side channels; connection of Green Gulch tributary with the new channel; installation of a 4-foot-diameter culvert under the levee road to temporarily connect the partial new channel with the existing creek; gravel removal from the existing creek for placement in the new channel and side channels; construction of one new pond for the CA red-legged frog; installation of	Yes	Due to financial issues that are delaying Marin County's ability to replace Pacific Way bridge, an issue that could compromise the creek functioning, the Park Service is focusing on conducting work downstream of the bridge and developing restoration plans adapting to the delay.

	<p>LWD in the new side channel; upgrade of the new emergency access road (so the levee can be dismantled in 2011); and realignment of 500 LF of the eroded Coastal Trail. Staff met on site in late August and early December with Park Service and other resource agency staff to review progress. Staff also met with the interagency technical review team in mid-December to discuss project adaptive management changes needed to address the geomorphic issues brought up by delay in bridge replacement.</p> <p>In December, staff attended a meeting as part of the multi-agency, multi-stakeholder Redwood Creek Watershed Assessment Project. One outcome of this process is to prioritize the most important conservation actions in this watershed. Meeting notes are included as a deliverable with this report along with draft prioritization list of resource issues and implementation (Deliverable 6.02). A final document is expected in about six months.</p>		
b. Coho Recovery Plan	Staff commented to NOAA Fisheries on their Draft Coho Recovery Plan (comments included as deliverable 6.03 with this report) and will be waiting for the revised plan to come out in 2011.	Yes	
Deliverables due this reporting period: Comments on Workplan for Phase II Big Lagoon (6.01), Prioritization of NPS Resource Issues and implementation (6.02); Staff Comments on Coho Recovery Plan (6.03)			
Submitted with this report: Agenda and materials from Redwood Creek stakeholder outreach meeting; draft priority studies results (6.02); comments on Draft Coho Recovery Plan (6.03). Note that comments on Phase II workplan were made verbally in the field and at interagency meetings.			
Major achievement this reporting period: Work with National Park Service on successful implementation of Phase II implementation of Redwood Creek/Big Lagoon restoration project; comments on draft coho recovery plan.			
Environmental benefit expected or achieved: Reduced pollution from hydromodification, fisheries and stream projects in West Marin. Improved habitat for coho and other salmonid fisheries.			

NPS Program Summary**Task 1: NPS Program Coordination**

Major achievement this reporting period: NPS staff completed the semi-annual progress report and the Annual Report during this reporting period. Staff also completed writing the success story for San Luisito Creek, a tributary to Morro Bay National Estuary, one of our Measure W watersheds, which showed a significant reduction in bacterial levels after implementing ranch BMPs. We are beginning an analysis of the effectiveness of the watershed approach which has been implemented in the Morro Bay watersheds for a number of years. This will involve an assessment of TMDL implementation activities as well as water quality data and other indicators of progress in the watershed. We anticipate this will be an iterative process, as more data become available over the next year. Interagency coordination has also been an important focus for Region 3 this year. We have coordinated with Department of Water Resources by reviewing Integrated Regional Water Management planning proposals and expect to do the same for the upcoming implementation proposals. We also coordinated with the Department of Conservation by reviewing watershed coordinator proposals. We have met with Central Coast Wetlands Group to coordinate BMP tracking efforts and wetland and riparian assessment efforts throughout the central coast and the state. CCWG is examining efforts in other regions to track stormwater BMPs to ensure a consistent method of tracking BMPs.

Environmental benefit expected or achieved: Watershed approaches in Morro Bay have already improved water quality through grant projects with ranchers, such as the ones in San Luisito Creek that significantly reduced bacterial levels and improved habitat. Interagency coordination on grant funding and other agency actions are improving the environment by ensuring that water quality and beneficial uses are considered by other agencies in their grant funding and other decisions, thus resulting in better projects that provide multiple benefits.

Task 2: Grant Management

Major achievement this reporting period: Grant #06-250 completed work on several more road improvement and water runoff reduction projects. The final report will be completed by February 1, 2011, along with a summary of total sediment load reductions achieved. This will be included in the next progress report. The Pinto Lake planning project has just completed grant execution and will be starting work in January 2011. The Morro Bay agricultural implementation grant is developing a scope of work which will be completed by March.

Environmental benefit expected or achieved: Grant #06-250 has resulted in reduction of sediment loading to San Lorenzo watershed, as well as improved water infiltration and conservation practices by homeowners. In addition, roads associations have begun implementing BMPs without cost share funding in some areas, and contractors have become knowledgeable about road BMPs, thus increasing the likelihood that future road maintenance activities will further reduce sediment loading. Estimated load reductions for the completed contract will be available in the next progress report, along with calculations of the percentage of the total needed in the TMDL. To date, the project has resulted in improvements to 5.8 miles of road in the San Lorenzo watershed, and an annual load reduction of approximately 500 tons of sediment per year. The Pinto Lake planning project will determine causes of algae blooms and recommend actions and BMPs. The Agricultural BMP implementation grant will reduce agricultural NPS impacts to Morro Bay, primarily sediments, nutrients and pathogens.

Task 3: TMDL Implementation

Adaptive management actions taken/Modifications to milestones. The NPS Workplan for 2010/2011 shows the task of identification of landowners and other activities associated with implementing the Pajaro River sediment TMDL as being completed by 12/2010; however, the TMDL workplan was revised after the final NPS workplan and this task is to be completed by June 2011.

Major achievement this reporting period: Staff is close to finishing the first draft of requirements for non-point dischargers to demonstrate compliance with several prohibitions incorporated into the Basin Plan through TMDLs.(add as a deliverable for 2nd sapr) The requirements are being written so they can be applicable to several separate TMDL implementation plans. Once finalized, the requirements will be implemented and tracked. As such, the feed-back loop required through the NPS Policy will be implemented and can be tracked and reported through the NPS and TMDL workplans.

Environmental benefit expected or achieved: Staff expect a surge of proactive NPS implementation in the Pajaro River Watershed. Staff believes that as non-point source dischargers learn of the prohibitions now in effect, and that Water Board staff are looking for problem areas and projects, that proactive implementation efforts will commence; local grass-roots technical advisors believe this to be true as well.

Task 4: Irrigated Agriculture

Major achievement this reporting period: In coordination with GeoTracker and State Board staff, staff developed and implemented a revised Notice of Intent and electronic submittal tool. Staff transmitted Section 13267 letters to 1740 enrolled growers requiring the NOI update. Staff updated the NOI to include relevant information that will allow us to more effectively identify owners and operators and require info to more effectively evaluate relative threat to water quality and compliance with the current Order. In addition, the new electronic NOI submittal tool has saved hundreds of staff hours and vastly improved our data quality and data management in the Ag Program.

Environmental benefit expected or achieved: Improved prioritization and focus on evaluating compliance for operations with highest threat to water quality and beneficial uses.

Task 5: Monitoring

Major achievement this reporting period: Data from the Agricultural Cooperative Monitoring Program (CMP) as well as all existing Central Coast Ambient Monitoring Program (CCAMP) data are now integrated into the Central Coast Water Board's CCAMP webpage. The public can now view data in map and graphical format from hundreds of sites for many water quality parameters, including toxicity, chemical constituents and biological indicators. They can also see at a glance which sites are impaired, and for what constituents. The site now includes information about land use, pesticide applications, and groundwater as well. (See http://www.ccamp.info/2010/view_data.php)

Data through 2009 have been incorporated into the 2012 Integrated Report for California.

Environmental benefit expected or achieved: Decision-makers, including government officials, regulators and land managers will be able to make more informed decisions by having access to up-to-date and more user-friendly information. Data are now available in chart, graph and table formats, allowing better understanding of current water quality conditions, as well as trends over time.

Task 1: NPS Program Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	1 Draft CWA 319 Workplan for FY 11/12 (See Deliverable 1.01). / Final CWA 319 Workplan for FY 11/12 (See Deliverable 1.02). 2 Final Semi-annual Progress Reports (see Deliverables 1.03 and 1.04) 3 Draft Annual Report to State Board (see Deliverable 1.05). 4 Completed narrative success story (see Deliverable 1.06) or two success story templates - (see Deliverable 1.07) 5 Complete a draft Measure W assessment using EPA guidance	yes	
b. Information Exchange/Outreach	1 Attend eight (8) monthly phone calls and four (4) quarterly RTs. 2 Success story presentation or other presentation on initiative success 3 Tour of regional board 319h projects, as needed	yes	
c. Contract /Grant Proposal Development and Review	1. TBD 2. TBD 3. TBD 4. Complete FAAST review and submit to SB liaison by due date Attend the Concept (in person or by phone) and the Final (in person only) Proposal Selection meetings	yes	
d. Intra/Inter agency NPS Program coordination tasks.	1. Report meeting outcome at the NPS RT 2. Participate in quarterly WQPP meetings and coordinate between the Sanctuary and Water Board staff. Participate in CCA meetings.	yes	

Performance Outcomes:

Deliverables: 1.04 CWA 319 second semi-annual progress report for Jul-Dec 2010 (Subtask 1.a2)

Major achievement this reporting period: NPS staff completed the semi-annual progress report and the Annual Report during this reporting period. Staff also completed writing the success story for San Luisito Creek, a tributary to Morro Bay National Estuary, one of our Measure W watersheds, which showed a significant reduction in bacterial levels after implementing ranch BMPs. We are beginning an analysis of the effectiveness of the watershed approach which has been implemented in the Morro Bay watersheds for a number of years. This will involve an assessment of TMDL

implementation activities as well as water quality data and other indicators of progress in the watershed. We anticipate this will be an iterative process, as more data become available over the next year. Interagency coordination has also been an important focus for Region 3 this year. We have coordinated with Department of Water Resources by reviewing Integrated Regional Water Management planning proposals and expect to do the same for the upcoming implementation proposals. We also coordinated with the Department of Conservation by reviewing watershed coordinator proposals. We have met with Central Coast Wetlands Group to coordinate BMP tracking efforts and wetland and riparian assessment efforts throughout the central coast and the state.

Environmental benefit expected or achieved: Watershed approaches in Morro Bay have already improved water quality through grant projects with ranchers, such as the ones in San Luisito Creek that significantly reduced bacterial levels and improved habitat. Interagency coordination on grant funding and other agency actions are improving the environment by ensuring that water quality and beneficial uses are considered by other agencies in their grant funding and other decisions, thus resulting in better projects that provide multiple benefits.

Task 2: 319 Contract/Grant Agreement Management

Contract Number Project Name	Milestones/Products/ Outcomes	GRTS data current (yes/no)	Contract on Schedule (yes/no)	If no, discuss obstacles and problems encountered
06-250-553-0/ Santa Cruz County RCD Rural Roads Erosion Control	<u>Milestones:</u> 1) Road project site designs 2) Completed project summaries and evaluations 3) Quarterly progress reports (see Deliverable 2.02) 4) Final report <u>Outcomes:</u> 1) 5.8 miles of road improved in San Lorenzo watershed 2) 80 tons of sediment/yr kept out of Aptos Creek 80 tons of sediment/yr kept out of the lower Pajaro 500 tons of sediment/yr kept out of San Lorenzo River 3) Improved water quality and protection of beneficial uses	Yes	yes	
10-443-553-0 Pinto Lake Planning Project (in development)	<u>Milestones:</u> 1) Scope of Work 2) Monitoring Plan 3) Quarterly progress reports (see Deliverable 2.02)		yes	
10-440-553-0 Morro Bay Agricultural BMP Implementation (in development)	<u>Milestones:</u> 1) Scope of Work 2) Quarterly progress reports (see Deliverable 2.02)		yes	

Performance Outcomes:

Deliverables: 2.02 Grant Quarterly Progress Reports, Report #39

Major achievement this reporting period: Grant #06-250 completed work on several more road improvement and water runoff reduction projects. The final report will be completed by February 1, 2011, along with a summary of total sediment load reductions achieved. This will be included in the next progress report. The Pinto Lake planning project has just completed grant execution and will be starting work. The Morro Bay agricultural implementation grant is developing a scope of work.

Environmental benefit expected or achieved: Grant #06-250 has resulted in reduction of sediment loading to San Lorenzo watershed, as well as improved water infiltration and conservation practices by homeowners. In addition, roads associations have begun implementing BMPs without cost share funding in some areas, and contractors have become knowledgeable about road BMPs, this increasing the likelihood that future road maintenance activities will further reduce sediment loading. Estimated load reductions for the completed contract will be available in the next progress report, along with calculations of the percentage of the total needed in the TMDL. To date, the project has resulted in improvements to 5.8 miles of road in the San Lorenzo watershed, and an annual load reduction of approximately 500 tons of sediment per year. The Pinto Lake planning project will determine causes of algae blooms and recommend actions and BMPs. The Agricultural BMP implementation grant will reduce agricultural NPS impacts to Morro Bay, primarily sediment, nutrients and pathogens.

Task 3: TMDL Implementation

319h Staff Activity	Description of Activity and Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Morro Bay (including Chorro, Los Osos and Warden Creeks), sediment, pathogens and nutrients	<ol style="list-style-type: none"> 1 Monitor implementing entities activities, e.g. Morro Bay National Estuary Program. (see Deliverable 3.01) 2 Review monitoring data submitted by implementing parties. 3 Solicit federal grant funds for implementation projects. Manage these grants. 4 Implement and renew current Agricultural Order. 	Yes	This task is currently scheduled for completion in the second half of the fiscal year.
b. Pajaro River, Siltation/Sediment TMDL (including San Benito R., Llagas Cr., Rider Gulch Cr.)	<ol style="list-style-type: none"> 1 TMDL staff to identify and contact numerous land-owners in the watershed as step in developing NPS Control Implementation Plans. Staff will provide Progress Report (see Deliverable 3.02) 2 Implement and renew current Agricultural Order. 3 Solicit, and if funded, manage grant funds aimed at developing NPS implementation plans in the watershed. 	No	The NPS Workplan shows this task being completed by 12/2010, however, the TMDL workplan was revised after the final NPS workplan and this task to be completed by June 2011.
c. Watsonville Slough, pathogens	<ol style="list-style-type: none"> 1 Implement and renew current Agricultural Order. 	Yes	Currently on schedule for completion in March 2011.
d. San Lorenzo River, sediment and nitrate TMDLs	<p><u>Sediment TMDL:</u></p> <ol style="list-style-type: none"> 1. Manage grant for erosion control on rural roads (see Task 2) – final report Dec 2010. 2 Deliverable 3.03 – Progress Report on San Lorenzo Sediment TMDL implementation <p><u>Nitrate TMDL:</u></p> <ol style="list-style-type: none"> 1. Oversee Santa Cruz county progress in implementing Nitrate Management Plan. 	Yes	A progress report for this task will be completed by May 2011
e. Santa Maria River Watershed TMDL (under development)	<ol style="list-style-type: none"> 1. Implement and renew current Agricultural Order. 	yes	The Watershed TMDL is currently under development. Non-point sources are a significant portion of the pollutant loading from multiple pollutants. The current agricultural order is scheduled for renewal in March 2011.

Performance Outcomes:

Deliverables: 3.02 Progress report on identifying and regulating non-point source discharges associated with the Pajaro River Sediment TMDL Staff will have a progress report drafted by the end of the fiscal year. Staff have developed and implemented strategies for identifying non-point source dischargers in the watershed. Staff is also building a network of local parties to identify and reach out to non-point source dischargers. In the months ahead in this fiscal year, staff will be contacting non-point source dischargers and advising them of their responsibility to implement actions consistent with the TMDL and corresponding prohibitions. – not attached

Major achievement this reporting period: Staff is close to finishing the first draft of requirements for non-point dischargers to demonstrate compliance with several prohibitions incorporated into the Basin Plan through TMDLs. The requirements are being written so they can be applicable to several separate TMDL implementation plans. Once finalized, the requirements will be implemented and tracked. As such, the feed-back loop required through the NPS Policy will be implemented and can be tracked and reported through the NPS and TMDL workplans.

Environmental benefit expected or achieved: Staff expect a surge of proactive NPS implementation in the Pajaro River Watershed. Staff believes that as non-point source dischargers learn of the prohibitions now in effect, and that Water Board staff are looking for problem areas and projects, that proactive implementation efforts will commence; local grass-roots technical advisors believe this to be true as well.

Task 4: Irrigated Agriculture

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Renew Agricultural Order	Draft conditional waiver for discharges from irrigated lands, Draft Order No. R3-2011-0006 and Monitoring and Reporting Program released on November 19, 2010. Public comment period closed on January 3, 2011. Plan to bring draft order to the Board in March 2011.	yes	
b. Agricultural Regulatory Program in Santa Maria Watershed.	Sent 13267 to all enrolled growers requiring submittal of updated Notice of Intent. In process of taking enforcement action (EPL) for noncompliance with monitoring requirements.	yes	
c. Agricultural Regulatory Program in Pajaro Watershed	Sent 13267 to all enrolled growers requiring submittal of updated updated Notice of Intent. In process of taking enforcement action (EPL) for noncompliance with monitoring requirements	yes	
d. Data Management Improvements to Increase Effectiveness of Ag Regulatory Program	Implementing pilot project with GeoTracker. Developed online submittal system for Notice of Intent. Sent 13267 to all enrolled growers requiring submittal of updated Notice of Intent. To date, approximately 529 of 1800 enrollees have used new electronic submittal system to update NOI.	yes	

Performance Outcomes:**Deliverables:**

4.01 EO Updates – attached

4.02 Draft Agricultural Order: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/ag_waivers/ag_order.shtml

4.03 Staff Reports for Board Items: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/ag_waivers/ag_order.shtml

4.04 Santa Maria Watershed Update (including compliance measures and key performance indicators for water quality improvement) - attached

4.05 Regulatory actions to require tailwater reduction, elimination, and/or monitoring (13267 letters, inspections, and follow-up enforcement) - attached 4.08

Revised NOI (enrollment):
https://geotracker.waterboards.ca.gov/agland/noi_operation_info.asp

Major achievement this reporting period: In coordination with GeoTracker and State Board staff, staff developed and implemented a revised Notice of Intent and electronic submittal tool. Staff transmitted 13267 letters to 1740 enrolled growers requiring the NOI update. Staff updated the NOI to include relevant information that will allow us to more effectively identify owners and operators and require info to more effectively evaluate relative threat to water quality and compliance with the current Order. In addition, the new electronic NOI submittal tool has saved hundreds of staff hours and vastly improved our data quality and

data management in the Ag Program.

Environmental benefit expected or achieved: Improved prioritization and focus on evaluating compliance for operations with highest threat to water quality and beneficial uses.

Task 5: Monitoring

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Data review and analysis	Review data for agricultural watersheds; produce charts/graphs depicting water quality in agricultural watersheds	yes	

Performance Outcomes:

Deliverables: none this reporting period

Major achievement this reporting period: Data from the Agricultural Cooperative Monitoring Program (CMP) as well as all existing Central Coast Ambient Monitoring Program (CCAMP) data are now integrated into the Central Coast Water Board's CCAMP webpage. The public can now view data in map and graphical format from hundreds of sites for many water quality parameters, including toxicity, chemical constituents and biological indicators. They can also see at a glance which sites are impaired, and for what constituents. The site now includes information about land use, pesticide applications, and groundwater as well. (See http://www.ccamp.info/2010/view_data.php)

Data through 2009 have been incorporated into the 2012 Integrated Report for California.

Environmental benefit expected or achieved: Decision-makers, including government officials, regulators and land managers will be able to make more informed decisions by having access to up-to-date and more user-friendly information. Data are now available in chart, graph and table formats, allowing better understanding of current water quality conditions, as well as trends over time.

NPS Program Summary

The major accomplishment in the first half of the fiscal year was the successful renewal of the Conditional Waiver for Discharges from Irrigated lands (Irrigated Lands Waiver). The Irrigated Lands Waiver requires dischargers to quantitatively assess in-stream water quality and attain water quality benchmarks through the implementation of targeted best management practices (BMPs). The renewed Irrigated Lands Waiver builds on the progress of the original waiver adopted in November 2005. The Irrigated Lands Waiver also implements eleven TMDLs. The TMDL load allocations are directly incorporated into the Irrigated Lands Waiver as water quality benchmarks.

The Regional Board continued to improve nonpoint source (NPS) program coordination. Staff worked with stakeholders to increase the number of applications for Clean Water Act section 319(h) grants. One applicant was invited back for a full proposal. Staff attended roundtable (RT) calls and participated in the development of Request for Proposal (RFP) documents for the grants program. Progress is delayed on completing a narrative success story or a draft Measure W assessment, but will likely continue in the second half of the fiscal year. Staff continues to manage a 319(h) grant for grower outreach in the Calleguas Creek and Santa Clara River watersheds. Staff is working with the grantee to ensure that they effectively implement the renewed Irrigated Lands Waiver and specifically implement BMPs according to the Ventura County Agriculture Irrigated Lands Group (VCAILG) water quality management plan (WQMP).

The Los Angeles Regional Board continued oversight of the minimum frequency of assessment and collection/best management practice (MFAC/BMP) program required by several TMDLs to reduce nonpoint sources of trash to waterbodies in the region.

The Los Angeles Regional Board also implemented standard assessment techniques and allocation methods to deal with air deposition in TMDLs. The Port of Los Angeles/Long Beach TMDL was noticed for public comment on December 17, 2010. This TMDL relied upon a report prepared by NPS staff last fiscal year, which summarized the results of air emissions data for the top emitters of metals in the region. The TMDL uses a similar approach for dealing with air deposition that has been used in several previous TMDLs. This approach includes load allocations for direct air deposition to the waterbody based on monitored air deposition rates multiplied by the percent area of the waterbody relative to the watershed area.

The NPS program continues to have unfilled vacancies. The staff who was out on leave of absence will not be returning and another part-time NPS staff was recently promoted to another unit. The Regional Board may not be able to fill these vacancies. The NPS program will continue to leverage the efforts of other programs (e.g., the irrigated lands regulatory program and the TMDL program) to ensure successful implementation of projects to reduce NPS pollution in the Los Angeles Region.

Task 1: NPS Program Coordination			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	1. Final Semi-annual Progress Reports (see deliverable 1.03)	Yes	
	2. Draft Annual Report to State Board (see Deliverable 1.05)	Yes	
	3. Completed narrative success story (see Deliverable 1.06) or two success story templates - (see Deliverable 1.07)	No	There were no updates to the success story submitted in December 2009 entitled, "Implementation of Management Measures under the Conditional Waiver for Irrigated Lands to achieve TMDLs in the Calleguas Creek Watershed." There were no new success stories developed.
	4. Complete a draft measure W assessment using EPA guidance.	No	The measure W assessment was completed for Calleguas Creek Reach 7 in FY 08/09. There are 2 remaining measure W watersheds for which assessments need to be drafted in the second half of this FY or next FY.
b. Information Exchange/Outreach	a. Attend (8) monthly phone calls and four (4) quarterly RTs. a. Success story presentation or other presentation on initiative success. b. Tour of regional board 319h projects, as needed.	Yes	
c. Contract/Grant Proposal Development and Review	1. Participate in development of RFP documents for SWRCB consolidated grants program	Yes	
	2. Coordinate with potential project proponents in developing CWA 319 project proposals	Yes	

d. Intra/inter agency coordination	1. Intermittently attend statewide RT meetings when they occur locally (at your region), e.g. SWAMP, and TMDL. 2. Regularly attend statewide RT meeting, including the irrigated lands regulatory program (IRLP) and marinas and recreational boating IACC.	Yes Yes	
<u>Deliverables due this reporting period:</u>			
1.03 CWA 319 first semi-annual progress report for Jan-Jun 2010 1.05 Nonpoint Source Pollution Implementation Program Annual Report for FY 2009/10 1.06 Completed Success Story template 1.07 Completed Success Story narrative or second template			
Major achievement this reporting period: The major achievement was encouraging grant applications that implement TMDLs and the Irrigated Lands Waiver program. Staff met with potential grant applicants to generate proposals that were more focused on measurable water quality improvements. One applicant was invited back to submit a full proposal.			
Environmental benefit expected or achieved: Better grant applications to help implement our programs and reduce NPS pollution.			

<u>Task 2: 319 Project Management</u>				
Contract Number Project Name	Milestones/Products/ Outcomes 07/10-12/10	GRTS data current (yes/no)	Contract on Schedule (yes/no)	If no, discuss obstacles and problems encountered
08-606-554 Implementation of Best Management Practices to Reduce Agricultural TMDL loads in the Calleguas Creek and Santa Clara River Watersheds.	1.2 Schedule of TAC Meetings and Data Review 2.2 Questionnaire Results of BMPs 4.1 List of Workshops, Field Tour Dates, Handouts, & Participants 4.2 Summary of Workshops and Tour Evaluations 4.3 Copies of Educational Materials Distributed	Yes	Yes	
Major achievement this reporting period: Under this grant, 92% of the growers in Tier I drainage areas and 81% of the growers in Tier 2 drainage areas have completed self-assessment questionnaires as of September 30, 2010. From July 2010 to September 2010, the grantee met with 18 growers to assist with questionnaires and to recommend BMPs. Regional Board staff worked with grantee to ensure that the grantee conducts more site visits and site-specific BMP consultations to ensure all questionnaires are completed and additional BMPs are implemented where the questionnaires identify gaps.				

Task 3: TMDL Implementation

All deliverables are specified in initiatives 4-6 below

Task 4: Irrigated Agriculture – Conditional Waiver Program

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Renew Waiver	1. Public notice documents (See Deliverable 4.a.1). 2. Regional Board hearing (See Deliverable 4.a.2).	Yes	The Regional Board adopted the waiver renewal at the October 7, 2010 Board meeting.
b. Education and Outreach	1. Report on the number of farmers that have completed eight (8) hours of education, number of presentations given, and number of approved education workshops (See Deliverable 4.b.1).	Yes	90% of the VCAILG members have completed education requirements with an average of 10.3 hours of educational credit per member. Staff approved 4 workshops in Ventura County for a total of 24 hours of education credit in the first half of the fiscal year. Staff approved no education workshops in LA County in the first half of the fiscal year. The majority of Los Angeles Irrigated Lands Group (LAILG) members have not completed education requirements. LAILG is confronted with unique challenges, such as the small amount of irrigated acreage in Los Angeles County and difficulties identifying and communicating with small growers. In response to these challenges, staff is working with LAILG representatives to address their concerns and ensure that the Irrigated Lands Waiver requirements are implemented in a cost effective and equitable manner. For example, the previously mentioned 319(h) grant will provide educational

	2. Increase the percentage of enrollees and/or percentage of acreage enrolled in the waiver by 15% (See Deliverable 4.b.1).	Yes	workshops for growers in Los Angeles County. Staff is planning several enrollment workshops for the second half of this FY in LA County with LAILG and Southern California Edison (SCE), who leases land to growers, and in Ventura County with VCAILG. These enrollment workshops are aimed at enrolling growers in the new waiver (adopted October 2010) by the April 7, 2011 enrollment deadline. Staff believes that the workshops, especially with the cooperation of SCE, will increase the enrollment percentage by 15% by the end of FY 10/11.
b. Monitoring and BMP implementation	2. RB comments on 3 rd annual WQMP (See Deliverable 4.c.2).	Yes	Staff reviewed the 3 rd annual WQMP submitted by VCAILG and had no comments on the plan. LAILG did not submit a 3 rd annual WQMP. However, LAILG is still operating under the previous WQMP. Unfortunately, LAILG is less active due to low enrollment, and they are behind schedule in implementing the WQMP. Staff is increasing outreach efforts to increase enrollment through the waiver renewal process and expects LAILG to become more active in the next FY.

Deliverables due this reporting period:

4.a.1 Public notice documents

4.a.2 Regional Board hearing documents

4.b.1 EO Report(s) (*see staff report for Irrigated Lands Waiver renewal included as part of Regional Board hearing documents*)4.c.2 RB comments on 3rd annual WQMP (N/A)

Major achievement this reporting period: The Regional Board approved the renewal of the Irrigated Lands Waiver in October 2010. The renewed waiver included the continuation of similar activities and requirements under the previous waiver with the addition of requirements to implement TMDL load allocations. http://www.waterboards.ca.gov/losangeles/water_issues/programs/tmdl/waivers/index.shtml

Environmental benefit expected or achieved: Improved long-term water quality through widespread implementation of agricultural management measures: education, irrigation management, pesticide management, nutrient management and erosion control.

Task 5: Trash - MFAC/BMP Program

Milestones		On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
MFAC/BMP MRP	Oversee implementation of Trash MRPs and MFAC/BMP programs by responsible agencies for six (6) TMDLs. Accompany responsible jurisdictions on at least one monitoring and collection trip per TMDL. (See Deliverable 5.a).	Yes	Staff met with stakeholders to discuss their progress on the MFAC/BMP program and to assist in preparation of monitoring reports for the Ventura River Estuary, Beardsey Wash, Machado Lake, and Legg Lake TMDLs. Staff participated in a trash collection event with Los Angeles County Department of Beaches and Harbors as part of development of the Santa Monica Bay marine Debris TMDL. Staff presented the nonpoint source trash management approach to the Marina IACC at their December 8, 2010 meeting.

Deliverables due this reporting period:

5.a. Verbal and written report to statewide NPS, SWAMP, TMDL and/or other relevant roundtable on MRP oversight for MFAC/BMP MRP.

Major achievement this reporting period: Adoption of the Santa Monica Bay Marine Debris TMDL, which included load allocations for nonpoint sources of trash and required implementation of the MFAC/BMP program.

Environmental benefit expected or achieved: Progressive reduction in trash from nonpoint sources to eventually attain zero trash. Zero trash is defined as trash that does not accumulate in deleterious or nuisance amounts on the surface and the shorelines of waterbodies to adversely affect beneficial uses.

Task 5: Atmospheric Deposition			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Inter/Intra Agency Coordination	Continued interagency coordination [via UCLA, USC, SCCWRP, South Coast Air Quality Management District, State Water Resources Control Board, USEPA, etc.].	No	No meetings were held this quarter.
b. Load Allocation	Assist TMDL staff in writing load allocations section of TMDL staff report (See Deliverable 6.a).	Yes	
c. Implementation of MM/MPs	Implementation section of TMDL staff report (See Deliverable 6.a).	Yes	
<u>Deliverables due this reporting period:</u>			
6.a. TMDL staff report.			
Major achievement this reporting period: The major achievement of this period was release of the Port of Los Angeles/Long Beach TMDL for public comment. Nonpoint sources addressed by the TMDL include existing contaminated sediments and direct air deposition. http://www.waterboards.ca.gov/losangeles/board_decisions/basin_plan_amendments/technical_documents/bpa_66_New_td.shtml			
Environmental benefit expected or achieved: Improved water quality by reduction of air deposition contribution of pollutants to waterways.			

NPS Program Summary

NPS tasks were generally on track this period. **Task 1:** The NPS coordinator and other staff completed the semi-annual progress report for July through December 2009, attended all monthly phone calls and Roundtables. Regional Board staff is actively participating in the grant selection criteria process. **Task 2:** One existing grant is moving along; three new grant agreements are yet to be finalized. Staff also participated in a 319h grant committee working on revising grant solicitations and ranking criteria as well as working with applicants for 2010 concept proposals. **Task 3:** This task is proving to be more daunting than originally planned. TMDL staff completed Implementation Task Tables for all adopted TMDLs. Through looking at these tables, it can be concluded that a simple Internal Implementation Template cannot be devised. However, we still feel TMDL Implementation is important and would like to continue to develop a way to track. **Task 4: 1)** The Board's salinity committee, EO and Central Valley Stakeholder Coalition (CVSC) delayed the third annual meeting of the Central Valley Salinity Leadership Group (CVSLG) until February 2011 to be able to report progress on the developing policy, framework and updated workplan. **2)** The stakeholder group continues to evaluate a pilot salt source survey and has added reviews of a Water District sponsored study and USBR sponsored study. The group will utilize results from the evaluations to refine/change the approach utilized in additional watersheds in the region. Staff provided comments on the final report and will continue to advise the stakeholders as project refinements are developed. **Task 5:** Completion of Monitoring and Implementation Plan and Memorandum of Understanding between responsible parties and non-responsible parties in the region has been finalized. **Task 6:** Local watershed programs continue to operate despite the reduction in available grants. Numerous restoration projects and planning efforts were undertaken including the following in the northern region: Stony Creek Restoration Plan, Lower Feather River Assessment, Tehama East Assessment, and restoration projects in Butte, Tehama, Shasta, Siskiyou, Lassen and Plumas counties. **Grazing Program:** Irrigated pasture grazing is covered by the Central Valley Water Board's ILRP. Grazing is not a good fit in this program because grazing is really a different land use with different practices than row-crop agriculture. Currently these grazing practices are overshadowed by efforts to address discharges from row-crop agriculture. However, development of a grazing option within the Irrigated Lands Regulatory Program continues. **IRWM:** Staff continues to provide support for the Integrated Regional Water Management Program (IRWM). Staff will continue to participate in the IRWM program to assure water quality concerns are included in technical and funding processes.

Task 1: NPS Program Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1. Evaluate Program Success	Semi-annual Progress Report for July-Dec 2010 Draft Annual Report to State Board (see Deliverable 1.05). Completed narrative success story (see Deliverable 1.06) or two success story templates - (see Deliverable 1.07) Complete a draft measure W assessment using EPA guidance	yes	
2. Information Exchange/Outreach	Attend eight (8) monthly phone calls and four (4) quarterly RTs. Success story presentation or other presentation on initiative success. Tour of regional board 319h projects, as needed.	yes	
3. Contract/Grant Proposal Development and Review	Participate in development of Request for Proposal (RFP) documents for SWRCB consolidated grants program Coordinate with potential project proponents in developing CWA 319	yes	

	project proposals. Complete FFAST review and submit to SB liaison by due date. (See Deliverable 1.08). Attend the Concept (in person or by phone and the Final (in person only) Proposal Selection meetings.		
4. Interagency coordinating committee (IACC)	Report meeting outcomes at the NPS RT.	yes	
<div>•</div>			
Major achievement this reporting period: The NPS coordinator and other staff completed the semi-annual progress report for July through December 2010, attended all monthly phone calls, and participated in the 319h grant solicitation process.			
Deliverables: Semi-Annual Progress Report 7/10 through 12/10			

Task 2: 319 Project Management

Grant Number Project Name	Milestones/Products/ Outcomes 7/10 to 12/10	GRTS data current (yes/no)	Grant on Schedule (yes/no)	If no, discuss obstacles and problems encountered
09-665-555-0 BMPs to help eliminate diazinon and chlorpyrifos in runoff from farms in Lower San Joaquin River watershed	1. Prepare a PAEP 2. Recruit growers during first 3 months of each project year 3. Complete enrollment paperwork, sign agreements, complete whole farm assessment 4. Plan BMP implementation plan for each property enrolled 5. Implementation of BMPs 6. Outreach and Technology Transfer activities 7. Evaluation 8. Reporting and tracking	n/a No data collected	Yes all tasks are on schedule	
Bear Creek Ranch Mercury Reduction Planning Project			No	Grant agreement still awaiting drafting by DFA

Planning for Delta MeHg TMDL Implementation for wetlands and irrigated agriculture			No	Grant agreement still awaiting drafting by DFA
Wetland Management and Agricultural Organic Matter Reduction to Decrease Methylmercury Loads from the Cosumnes River Preserve.			No	Draft grant agreement is still with DFA awaiting execution. Despite repeated requests, no update of current status has been provided by DFA. So far, grant activities that are time-dependant have been supported with matching funds, however new grant-funded activities must begin soon in order for entire project to not fall far behind schedule.
Major achievement this reporting period: For 09-665-555, they held their annual tour in November and had 90 participants attending.				

Task 3: TMDL Implementation

Subtask	Milestones/Products/ Outcomes 7/10 to 12/10	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
Delta Methylmercury TMDL	Form and manage technical advisory committee with selection criteria guidance and recommendations from the Delta Mercury TMDL Stakeholder Working Group (see deliverable 3.01).	Yes	
Clear Lake Nutrient and Mercury TMDL's	Limnological data and metadata from stakeholder monitoring programs will be coordinated throughout the watershed (see deliverable 3.02). Review and refine nutrient and mercury load estimates (see deliverable 3.03). Identify future potential actions necessary to improve lake water quality (see deliverable 3.04).	Yes	

Major achievement this reporting period: Clear Lake Mercury TMDL Update was completed and presented to the Board.

<u>Deliverables:</u>	<u>Due Date:</u>
None this reporting period.	

Task 4: Coordination of Salinity Policy Development and Implementation of San Joaquin River salinity TMDL

Subtask	Milestones/Products/ Outcomes 7/10 to 12/10	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1. Public Participation	a.1 Maintain the CV-SALTS programs and reports webpage a.2 Attend stakeholder meetings (3-5 per month) a.3 Review stakeholder workproducts as needed a.4 Convey stakeholder recommendations to the Board a.5 Notify the stakeholder committees as the Board's salt-related projects and programs reach key decision points where stakeholder input is needed b. A record of each staff presentation will be made (cd, pdf and/or hard copies of any handouts). These will be made available on the webpage if network capacity allows and included in the semiannual reports. (See Deliverable 4.01) d. Staff will take all salt-related proposals submitted for consideration on the SEP pre-approved project list to the stakeholder committees for review and comment	Yes	
2. Internal coordination	a. Summary of internal coordination meetings (See Deliverable 4.04) b. List of new and updated permits and orders that incorporate new salinity management requirements (See Deliverable 4.05)	No.	Meetings completed but not summarized. Summary is expected June 2011. Updated list of permits is anticipated June 2011.

Major achievement this reporting period:

<u>Deliverables:</u>	<u>Due Date:</u>
4.01 URL & screenshots of webpage links to programs, reports and presentations (the screenshots will show quarterly progress on 3.01.a.4)	1a1 Quarterly
4.01 Stakeholder meeting agenda packets (Subtask 3.1a2)	1a2 Quarterly
4.01 EO reports, all written responses from the group (Subtask 3.1a3 and 3.1a4)	1a3 and 4 6/11
4.01 Project matrix (Subtask 3.1a5)	1a5 Quarterly
4.01 Presentations uploaded onto website (Subtask 3.1b)	1b. Quarterly
4.02 List of yearly accomplishments # 3(Subtask 3.1.c)	1c. 6/11
4.01. Stakeholder SEP project review sheet (Subtask 3.1d)	1d. 6/11
4.01 Draft updated MAA with U.S.Bureau of Reclamation (Subtask 3.1.f)	1f. 6/11
4.04 Summary of meetings (Subtask 3.2a)	2a. 12/10, 6/11
4.05 List of permits with salinity management incorporated (Subtask 3.2b)	2b. 12/10, 6/11

Task 5: TMDL Implementation Reporting Template and Tracking			
Subtask	Milestones/Products/ Outcomes 7/10 to 12/10	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1. Develop template	Annual Reporting Template for TMDL Internal Implementation Plan (see deliverable 5.01)	No	
2. Coordinate Reporting Template	Annual Reporting Templates from implementing staff (see deliverable 5.02)	No	
Major achievement this reporting period:			

<u>Deliverables:</u>	<u>Due Date:</u>
Annual Reporting Template	12/10

Task 6: Watershed Support			
Subtask	Milestones/Products/ Outcomes 7/10 to 12/10	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
1. Education and Outreach	1. Status report for local watershed programs (See Deliverable 6.01) 2. IRWM meeting summaries and status (see deliverable 6.02)	Yes	
2. Project Implementation	Stream restoration project technical support meetings. 1. Summary of ongoing projects (See Deliverable 6.01) 2. Status of NPS grazing program (see deliverable 6.03)	Yes	
3. Impaired waters analysis and restoration	1. List of impaired waters that warrant further evaluation 2. Summary of watershed program activities in listed waters (see deliverable 6.04)	Yes	
4. Intra and inter-agency Coordination	Watershed Coordination Committee-Continue the internal coordination between the three Central Valley offices to maximize resources for local outreach. Participate in Watershed Management Initiative and NPS meetings. Share education and outreach materials and methods between offices. Work with state and federal agencies at local watershed group technical-advisory meetings to support enhanced watershed conditions and improved practices.	Yes	

5. Inter-program support and Coordination	Summary of watershed program activities in listed waters (deliverable 6.04)	Yes	
6. Direct Response	Complaint response summary (see deliverable 6.05)	Yes	
Major achievement this reporting period: Integrated Regional Water Planning continues to be a major motivator of watershed program activities. Although IRWM meetings have slowed, staff have provided technical and outreach support for numerous planning and funding processes. Numerous restoration projects continue to provide planning, funding and technical challenges but provide much satisfaction when completed. Lower Clear Creek, Battle Creek, Trout Creek and upper Feather River projects show improved watershed conditions. Big Chico Creek citizen monitoring program and others have demonstrated enduring public interest and participation in water quality protection.			
Deliverables:			Due Date:
6.02 Summary of IRWM meetings			12/10
6.03 Status of grazing program			12/10

Task 7: Onsite Wastewater Management			
Subtask	Milestones/Products/ Outcomes 7/10 to 12/10	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Education and Outreach	1a. Status report for County Onsite Programs, Paradise monitoring wells and Chico Urban Area	Yes	
b. Implementation	1b. Summary of ordinances and monitoring data	Yes	
c. Intra and inter-agency Coordination	Provide technical support to Regional Board staff regarding on-site wastewater systems and provide support to State Water Resources Control Board regarding implementation of AB885.	Yes	
Major achievement this reporting period: Staffing change should produce new efforts and energy regarding this task.			
Deliverables:			Due Date:
7.01 Status Report			1. 12/10

NPS Program Summary of Activities for Six Month Period July to December 2010

During the six-month period of June to December 2010, staff's collaboration with other CA entities and agencies on fuel reduction and biomass utilization programs (as part of the Tahoe Forest Fuels Team) resulted in completion of fuels reduction treatments on approximately 2100 acres. : Staff managed grants that issued 43 BMP compliance certificates for residential properties and one certificate for a commercial property in the Lake Tahoe Basin plus completed 25 homeowner BMP site evaluations and 25 draft homeowner BMP site plans in the Truckee River watershed. Staff presented proposed Tahoe TMDL information to the City of South Lake Tahoe. Staff collected and analyzed over 670 bacteria samples from 303(d) listed sites to show a correlation between local grazing activity and high bacteria at some sites, or to support delisting at other sites

Task 1: NPS Program Coordination To improve the overall NPS Program (Program), this task organizes the program infrastructure and provides for information exchange among the Regional and State Boards and other State agencies to assess Program activities, target efforts, plan activities based on Program goals and objectives, coordinate the efforts of federal, State, and local agencies and stakeholders, implement coordinated actions, track and monitor the results of implemented actions and reporting on Program results.

Subtask	Milestones 7/2010 to 12/2010	On Task (yes/no)	If no, discuss problems encountered
a. Evaluate Program Success	1. Completed semi-annual progress report on FY 2009-2010 CWA 319 activities for the time period of January to June 2010. 4. Completed revisions to Success Story.	no	Revisions to FY 2010 Annual Progress Report and Hot Springs Canyon Creek will be completed by April 2011. Delays were due to furloughs.
b. Information Exchange/Outreach	Participated in two quarterly NPS Roundtables	yes	
c. Contract/Grant Proposal Development and Review	Participated in process to draft 319 RFP for 2010-11 solicitation	yes	
d. Fuels Management and Interagency committees (IACC)	Continued collaboration with other CA entities and agencies on fuel reduction and biomass utilization programs. Continued participation in the Tahoe Forest Fuels Team on implementation, monitoring, and reporting for fuels reduction tasks in the wildland/urban interface on private and non-federal public parcels within the Lake Tahoe Basin. Approximately 2100 acres of fuel reduction treatments were completed during the 2010 field season	yes	

Major achievement this reporting period: Collaboration with other CA entities and agencies on fuel reduction and biomass utilization programs (as part of the Tahoe Forest Fuels Team) resulted in completion of fuels reduction treatments on approximately 2100 acres.

Deliverables:

- 1.01 Draft 2010-11 CWA 319 Workplan (Subtask 1.a1)
- 1.02 Final 2010-11 CWA 319 Workplan (Subtask 1.a1)

- 1.03 CWA 319 first semi-annual progress report for Jan-Jun 2010 (Subtask 1.a2)
 1.04 CWA 319 second semi-annual progress report for Jul-Dec 2010(Subtask 1.a2)
 1.05 Nonpoint Source Pollution Implementation Program Annual Report for FY 2010 (Subtask 1.a3)
 1.06 Completed Success Story template (Subtask 1.a4)
 1.07 Completed Success Story narrative or second template (Subtask 1.a.4)
 1.08 Email results of the Nine Key Element Review (Subtask 1.c.3)

Task 2 Project Management: For existing projects, staff reviews invoices, progress reports, project products and conducts project inspections in the field. Staff coordinates responses to federal Grants and Tracking and Reporting System requirements (GRTS) by supplying load reduction data from projects, electronic copies of agreements and amendments, and final project reports. For new projects, staff reviews draft Scopes of Work and Budgets. For all projects, staff maintains audit-ready project files.

Grant Number Project Name	Milestones/Products/ Outcomes 7/2010 to 12/2010	Grant on Schedule	If no, problems encountered
06-244-556-0 Indian Creek Reservoir TMDL Implementation	Reviewed progress reports 14 and 15. No invoices were yet submitted, as there were no charges assessed. The hypolimnetic oxygenation system operated from May 3 to October 29, 2010 for year 2 implementation. Water quality/system effectiveness monitoring continued throughout. Grant ended 12/31/10. Awaiting Final Report and Final Invoice	no	Grantee late with Final Report – to be completed no later than 1/31/11
08-607-556 Homewood Watershed Improvement and TMDL Implementation	Reviewed progress reports and invoices. A new grant manager was assigned to this project. Grantee focused on runoff and soil sample processing, data entry, data summary and water quality sampling. Staff is participating in the TAC for this project.	yes	
08-604-556 Lake Tahoe BMP Implementation and Effectiveness	Reviewed progress reports and invoices and attended a BMP effectiveness monitoring project kickoff meeting. The grantee and its contractor initiated work on a detailed monitoring plan and QAPP. TRPA staff continued BMP education and outreach activities through direct mailing, presentations, and workshops and provided technical assistance to private property owners to assist with BMP installation. During this period, TRPA staff issued 43 BMP compliance certificates for residential properties and one certificate for a commercial property.	yes	
09-662-556 Reducing Sediment Load Reduction Loads through Residential BMPs Sierra Nevada Alliance	Reviewed progress reports and invoices. The grantee completed monitoring plan and QAPP; completed CEQA, developed an Outreach Plan, identified stream reaches for sampling; identified target neighborhood and residences, completed 25 homeowner site evaluations and 25 draft homeowner site plans.	yes	
10-448-556 Squaw Creek Restoration Preliminary Design	Coordinated with DFA Program Analyst to start drafting grant agreement.	yes	

10-438-556 Coldstream Canyon Floodplain Restoration	Coordinated with DFA Program Analyst to start drafting grant agreement.	yes	
Major achievement this reporting period: Issued 43 BMP compliance certificates for residential properties and one certificate for a commercial property in the Lake Tahoe Basin. Completed 25 homeowner BMP site evaluations and 25 draft homeowner BMP site plans in the Truckee River watershed.			
Deliverables:			
2.01 GRTS Load Reduction Form sent to the State Board NPS Program GRTS Liaison. (This is report directly to the State Board NPS Program GRTS Liaison 2.02 Grant Progress Reports emailed to State Board NPS Program GRTS Liaison. (This is report directly to the State Board NPS Program GRTS Liaison).			

Task 3: TMDL Implementation - Description: A major focus of the Regional Board's 2008-2013 Five Year Plan is implementing TMDLs, through regulatory solutions such as waste discharge requirements (WDRs) and waivers, as well as formal partnerships with local governments and other stakeholders through contractual agreements such as Memorandum of Understanding (MOU) or Memorandum of Agreements (MAA). Immediate MM/MP implementation is available through 319h grant projects.

[illegible]

	Squaw Creek Restoration Preliminary Design	<i>Physical habitat:</i> decreasing trend in percent fines and sand approaching 25% in cover of the stream bottom or less	TMDL requirements		
Blackwood Creek, Sediment	Forest Service to conduct post-monitoring stream restoration project <i>Also see Workplan Task 6</i>	Forest Service will submit an annual report documenting current status of the site as required by the MRP	Monitoring plan being developed by Forest Service with possible review of future monitoring by Water Board staff; Water Board staff review of monitoring plan (Deliverable 3.04) Water Board reviewed Monitoring Plan in March 2010 and provided comments	yes	
Truckee River (Middle), Sediment	Placer County and Town of Truckee as MS4; Forest Service decommissioning/rehabilitating dirt roads and legacy sites <i>Also see Workplan Tasks 2 –(319 funding for projects titled - Coldstream Canyon Floodplain Restoration grant agreement under preparation and 6 (Timber Sales and Fuels Reduction Project review for Truckee River watershed projects.)</i>	Forest Service dirt roads and legacy site with erosion and sedimentation issues are identified, prioritized, and addressed. Progress is tracked and reported annually to Water Board. Water Board summarizes and report to public.	Staff email sent to Forest Service with suggestions of reporting actions on dirt roads/legacy sites in January 2010.	Yes and no	No response from Forest Service as to suggestions, even after Staff followed email with phone calls and additional email. Additional follow up by Water Board Staff expected in next few months.

Major achievement this reporting period: Staff developed a template TMDL Implementation Status report and, for each TMDL that is being implemented, posts a report on the Regional Board website for public information

Deliverables: Not required during this reporting period.

Task 4: Lake Tahoe TMDL Development and Implementation Lake Tahoe is the eleventh deepest lake in the world, and is renowned for its clarity and cobalt-blue color. The Regional Water Board has designated Lake Tahoe as an Outstanding National Resource Water under the federal CWA and considers non-contact recreation (aesthetic enjoyment of the Lake's clarity) as a primary beneficial use. Despite stringent water quality goals and associated watershed regulations, Lake Tahoe does not meet its water quality standards for transparency/clarity, sediment, phosphorus and nitrogen.

To address these impairments, a TMDL is under development with adoption by the Regional Board planned for 2010—the interim draft TMDL was available for public review in June 2009. Many TMDL implementation and monitoring activities are already underway. Recent examples include the Lake Clarity Crediting Program (credit/tracking program to help link urban implementation actions to expected load reductions); development of Pollution Reduction Strategies in anticipation of the 2010 update of NPDES permits for the local government permittees in Lake Tahoe Basin; several 319 grant-funded implementation projects (see Workplan Task 2); and three stormwater projects funded from the American Recovery and Reinvestment Act (ARRA) of 2009. See Workplan Task 5 for related grazing management activities in the Lake Tahoe Basin. See *Workplan Tasks 2, 5 and 6 for other related Lake Tahoe TMDL implementation activities.*

Subtask	Milestones 7/2010 to 12/2010	On Task (yes/no)	If no, discuss problems encountered
a. Outreach, Education, Technical Assistance, Watershed Support	<p>Participated in two Lake Tahoe Vegetation Technical Work Group meetings.</p> <p>Participated in seven number of one-time education and outreach events (e.g. Wonders of Water Week; school events)</p> <p>Participated in two Noxious Weed and Invasive Species Removal Groups meetings</p> <p>August 2010-Staff presented proposed Tahoe TMDL information to the City of South Lake Tahoe</p>	yes	

Major achievement this reporting period: Staff presented proposed Tahoe TMDL information to the City of South Lake Tahoe

Deliverable:	Due Date:
4.01 Summary as part of semi-annual progress reports (see deliverable 1.03 and 1.04)	7/2010;6/2011

Task 5: Grazing Description: Grazing activities are identified as a source of impairment for approximately 30 waters on the Region's 303(d) list (listed for sediment, nutrients, pathogens and/or habitat alteration.) The Lahontan Regional grazing strategy identifies several watersheds where the implementation of grazing management practices (MPs) would likely lead to water quality improvement and is preferable when possible to developing a TMDL for CWA 303(d) listed watersheds. As part of this strategy, the Regional Board adopted a waiver for grazing operations in the *East Walker River Watershed*. With the first season of monitoring under the waiver completed in 2009, reductions in fecal coliform concentrations during the grazing season ranged from 31% to 77% with more work still to do in order to meet the compliance requirements of the waiver. A similar waiver will be developed for other watersheds targeted as priorities under the grazing strategy.

In July 2009, analyses of monitoring data collected after the implementation of various grazing management strategies showed that the fecal coliform water quality objective is now attained for two waterbodies in the Lake Tahoe Basin; delisting of these waters has been recommended to the State Water Board and USEPA. Monitoring of two other 303(d)-listed waterbodies in the Lake Tahoe Basin continues with data showing that a similar outcome is likely.

Two projects are under development. One is a study to compare concentrations of *E. coli* and fecal coliform in natural waters of the Lahontan Region. The results of this study will be useful in helping to identify possible sources of coliform. The other project includes \$1M for implementation and assessment of grazing management practices in watershed targeted as priorities in the Region's grazing strategy (project start is pending due to state bond funding.)

Site inspections and review/update of operating plans for commercial pack operations on USFS lands will be conducted. These efforts will be coordinated with the update of the USFS Water Quality Management Plan (WQMP) – see *Workplan Task 6*.

Subtask	Milestones 7/2010 to 12/2010	On Task (yes/no)	If no, discuss problems
a. E. & W. Fork Carson River Grazing Waiver	Collected bacteria samples and assessed monitoring results in the East and West Fork of the Carson River Watershed. Over 600 samples were sampled and analyzed for fecal coliform and E. coli. The Paynesville site on the W Fork (303(d) listed) seems to show a correlation between local grazing activity and high bacteria – this may be used to start developing a grazing waiver for the West Fork. Sources on the East Fork are not as clear, and will require additional monitoring to identify sources. Staff will continue to “collect and analyze bacteria data to assess water quality impairments and identify sources to be subject to future grazing waivers.”	yes	
b. Trout Creek/Lake Tahoe Basin Delisting	Monitoring of two other 303(d)-listed waterbodies in the Lake Tahoe Basin was done: 47 samples were taken over a five-month period for the Trout Creek above Highway 50 waterbody segment, and 26 samples over a four month period were taken for the Trout Creek above Lake Tahoe waterbody segment. To be consistent with State Water Board Functional Equivalency Document and Listing Policy for bacteria, data was analyzed in 30-day increments, rather than as a moving mean. This reduces the number of data points to be assessed for delisting using the binomial model to a point where additional years of data collection will be required to meet numerical criteria for delisting these waterbodies.	yes	
c. Bridgeport Valley/E.Walker River waiver	No work has occurred on this during this period	No	Waiting for data from the ranchers-a follow-up meeting is scheduled for early in 2011
d. Coliform & Grazing BMP projects	Obtained grazing permit information (including copies of Allotment Management Plans and Annual Operating Instructions) from all of the National Forests in region except the Tahoe National Forest. Information will be used to assess the extent of livestock grazing in the region and help determine heavily impacted and priority watersheds. [A 13267 Order is being sent to the Tahoe NF to obtain similar information] Reviewed and commented on two NEPA documents prepared for grazing allotments in the Inyo National Forest.	Yes	Planned work postponed

e. Pack Station Operations	No work has occurred on this during this period	No	due to furloughs
Major achievement this reporting period: Staff collected and analyzed over 670 bacteria samples to from 303(d) listed sites to show a correlation between local grazing activity and high bacteria at some sites or to support delisting at other sites.			
Deliverables:			
5.04 Executed contract/grant agreement for one coliform/grazing BMP project attached.			

Task 6 Federal Timber Sales and Fuel Reduction Project Review: Federal and non-federal forested lands are found throughout the Lahontan Region and are managed by timber harvests, fuels reduction, fire suppression, prescribed burns, pesticide/herbicides, reforestation and other activities. Logging activities can include road construction and improvement, log landings and watercourse crossing construction. These activities can result in soil erosion and discharge to surface waters, streamcourse damage, compaction or removal of riparian soil and vegetation, and soil and plant loss in wetlands.

The Regional Water Board reviews timber harvest proposals for both federal and non-federal lands. However, the process is different for both, with special forest management provisions for lands in the Lake Tahoe Basin. To reduce fire risk around Tahoe Basin communities, over the next 10 years, land management and fire protection agencies, as well as homeowners, will remove designated trees and brush. To expedite fire protection efforts, the Regional Board renewed and updated its timber waiver in 2009.

Regional Board staff participates in a working group consisting of State Water Board, USFS and staff from other Regional Water Boards to prepare updates to the USFS Water Quality Management Plan (WQMP) for review by the stakeholders' committee and Policy Group. The revised WQMP may address legacy problem sites, impaired water bodies, monitoring programs, adaptive management, needed future actions, and reporting. [The WQMP may include Best Management Practices (BMP) modules for selected activities on USFS lands that may impact water quality (e.g., Timber Harvesting, Forest Roads, Off Highway, Vehicles, and Recreation Areas, Grazing).] Regional Board staff will assist State Water Board staff in drafting a Statewide regulatory mechanism, probably a conditional Waiver, near the end of development of the update of the WQMP.

Subtask	Milestones 1/2010 to 6/2010	On Task	If no, problems
a. Environmental Review	<p>Pre-project planning discussions are ongoing, & environmental documents have been evaluated and reviewed with comments.</p> <p>Specific projects include:</p> <ul style="list-style-type: none"> • Blackwood Creek Restoration 2011 (timber component in draft SWPPP and field discussions) (LTBMU) • Scotts Lake Personal Use Fuelwood (Humboldt-Toiyabe NF) • Monitor Pass Aspen Enhancement Project (Humboldt-Toiyabe NF) • June Loop Fuel Redux scoping comments (Inyo NF) • June Mountain Ski Area Veg Mgmt scoping comments (Inyo NF) • Willow Springs DFPZ (Lassen NF) • Perazzo Meadows Project (final phase) (Tahoe NF) 	Yes	

	<ul style="list-style-type: none"> • Prosser Dam Access Road Rehab scoping comments (Tahoe NF) • Sagehen Test Project scoping comments (Tahoe NF) • Motorized Travel Management Project Final EIS (Tahoe NF) • Meeks Bay and Camp Richardson Restroom Replacement Project (LTBMU) • 2010 Road Maintenance Plan (LTBMU) • Fallen Leaf Water System Construction Project (LTBMU) • High Meadow Restoration Project (LTBMU) • Taylor Creek Education Center Replacement EA (LTBMU) • William Kent Campground BMP Retrofit Project (LTBMU) 		
b. Waiver compliance	<p>Specific projects reviewed for compliance with the waiver include:</p> <ul style="list-style-type: none"> • Willow Springs DFPZ (Lassen NF) • Dinkum Thinning Group Selection Aspen Restoration (Tahoe NF), including sending a Notice of Incomplete Application letter 	Yes	
c. Conduct inspections and follow-up	<p>Specific projects inspected (with follow-up) include:</p> <ul style="list-style-type: none"> • Willow Springs DFPZ (Lassen NF) • Hazardous Tree Removal along Roads, Trails, and Facilities Project (San Bernardino NF) • Miller Canyon Fuels Reduction Project (San Bernardino NF) • North Arrowhead Fuels Reduction Project - Units 1 and 2 (San Bernardino NF) • Perazzo Meadows Project, plug blow-out repair (Tahoe NF) • Blackwood Berm Removal 2010 (LTBMU) • Blackwood Stream Restoration Phase III Site A (LTBMU) • Camp Rich (Beacon) beach erosion (LTBMU) • Meeks Bay and Camp Richardson Restroom Replacement Project (LTBMU) • Angora Hazard Tree Removal Project (LTBMU) • High Meadow Restoration Project (LTBMU) • Tallac Creek Bridge Project (LTBMU) • Valhalla Pier Project (LTBMU) 	Yes	
d. Participate in Process to Update Water Quality Management Plan (WQMP)	<p>Staff reviewed pieces of the draft USFS USFS WQMP including revised BMPs, a new adaptive management approach and waiver language. Staff participated in 13 State Board/Regional Board staff meetings from August to December 2010, and two public stakeholder meetings (July and August 2010)</p>	No	Schedule is determined by State Board staff

and develop Statewide Conditional Waiver (Statewide Waiver) e. Regional approach to maintenance and management of forest land roads	No work has occurred on this during this period	yes	Planned work was postponed due to furloughs
Major achievement this reporting period: Review and evaluation of over 30 timber sales/fuels reduction projects for environmental compliance and/or compliance with timber waiver – this included field inspections of over half the projects.			
<u>Deliverables:</u>			
6.01 Environmental review comment letters/emails attached 6.02 Waiver compliance letters/emails attached 6.03 Inspection reports/emails attached 6.04 Draft WQMP update (draft materials are available on the State Board's website 6.05 Draft outline of regional approach for forest land roads (See subtask 6e. Planned work was postponed due to furloughs.			

NPS Program Summary

Region 7's Nonpoint Source (NPS) Pollution Control Program focuses on TMDL implementation in the Salton Sea watershed, our priority watershed. Our CWA 319(h) grant program supports the TMDL implementation efforts in the priority watershed. The focus in the 2010-11 workplan is on NPS management measures linked to impaired water bodies and TMDL implementation. Our program objectives are: to reach the overall outcome of reducing agricultural sediment runoff. The NPS program will continue to educate landowners in making use of farm management practices (MPs) to reduce silt/sediment and nutrients in farm runoff, continue effective implementation of Imperial Valley sediment TMDL, and begin a Prop. 50/84 grant awarded to the Imperial Irrigation District, focusing on better drain maintenance practices in the Imperial Valley and monitoring and reporting by the Regional Board. In addition, staff is working with the Coachella Valley ag dischargers as a TAC on developing a regulatory framework to control pollutants in the Coachella Valley Stormwater Channel.

Task 1: NPS Program Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	CWA 319h First SAPR for July-December 2010 (see deliverable 1.03) Draft Annual Report to State Board (see Deliverable 1.05) Complete a narrative success story (see Deliverable 1.06 or two success story templates (see Deliverable 1.07) Complete a draft Measure W assessment using EPA guidance – New River Measure W Watershed (SP-12)	yes	
b. Information Exchange/Outreach	Participated in quarterly NPS Roundtables and monthly phone calls and coordinated regional and statewide strategies to reduce NPS pollution. Participate in other roundtable meeting intermittently for SWAMP; TMDL, and ILRP.	yes	Coordinated with Imperial Irrigation District (IID) and Imperial County Farm Bureau (ICFB), El Centro, CA, sediment TMDL implementation throughout the Imperial Valley agricultural drain system.
c. Contract and Grant Review	Participated in reviews to ensure that grants/contracts awarded to projects within the region reflect regional priorities.	yes	Unfortunately for this region's NPS Control efforts, ICFB applications were not selected for funding in the last three funding competitions (2009, 10, 11).

Deliverables due this reporting period.

1.03 CWA 319h First SAPR July – Dec. 2010
1.05 Draft Annual Report to State Board

Major achievement this reporting period: Task 2.2 - Grant Agreement No. 09-351-557 was executed with IID on 8/13/10 for a \$900,000 Prop 50/84 AWQGP project to continue efforts to reduce sediment concentrations throughout the Imperial Valley agricultural drains from IID's dredging and maintenance activities. The title of the project is: "Precision Drain Cleaning BMP Plan." The project goals are: 1) Improve substandard areas within IID's earthen drainage system that contribute to water quality impairment; 2) Support the propagation of native vegetation to stabilize earthen drain banks; 3) Employ precision GPS technology as a management practice tool to reduce water quality impacts

that occur during drain dredging operations; and 4) Implement a drain water quality monitoring program to quantify benefits that are achieved through the use of proposed management practices and determine the progress in meeting the established TMDL water quality goals.

Environmental benefit expected or achieved: Imperial County Sediment TMDL goals are being met.

Task 2: 319 Project Management

Contract Number Project Name	Milestones/Products/ Outcomes 01/09 to 06/09	GRTS data current (yes/no)	Contract on Schedule (yes/no)	If no, discuss obstacles and problems encountered
Voluntary TMDL Compliance Program 06-287-557-0	Conducted on-farm consulting services (landowner access agreements, field visits, determine causes of erosion, assist with farm water quality management plans, and identify/develop/modify on-farm BMPs). Update and maintain program website.	Yes	Yes	The Final project report was submitted August 31, 2010. The report was approved and the project is now completed.

Major achievement this reporting period: The Imperial County Farm Bureau project has been completed. Region 7 currently has no 319(h) projects to manage.

Deliverables: Final Report , 2.01 Load Reduction form for 06-287-557-0

Task 3: Sediment TMDL Implementation

Subtask	Milestones 01/09 to 06/09	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
Coordinate with ICFB to implement TMDL Compliance Program	Several site visits made by the On-Farm Consultant to evaluate and make recommendations for improvements. Follow-up visits were made.	Yes	
TMDL Compliance Monitoring	Monthly Sediment TMDL Implementation monitoring for the Alamo and New Rivers at a total of ten locations. Water quality datasets for total suspended solids (TSS) and turbidity are being reviewed and will be available in the next report.	Yes/No	Lack of resources because of staff furloughs and maintaining a lab contract have been issues in this region.

Management/Oversight of Tracking Program	Reviewed reports and data submitted by ICFB and IID to comply with TMDL requirements (IID's Revised Drain Water Quality Improvement Plan Quarterly Reports.) Corresponded and met with ICFB and IID staff as needed regarding the adequacy of their reports and data.	Yes	
Enforcement	No enforcement actions were taken during this reporting period.	Yes	
Reporting to Regional Board	Reported to Regional Board members via memos and at Regional Board meetings.	Yes	
<u>Deliverables due this reporting period:</u>			
ICFB Voluntary TMDL Compliance Program, Voluntary BMP Effectiveness Monitoring Documentation			
Major achievement this reporting period: none			
Environmental benefit expected or achieved: Most sampling locations on the New River, Alamo River, and major agriculture drains are already in compliance with Sediment TMDL Phase 2 numeric targets. Data for Phase 2 targets of 240 mg/l TSS for the Alamo River, 213 mg/l TSS for the New River, and 282 mg/l TSS for the Imperial Valley Drains, is being assessed by Regional Board staff. 2/15/2011 – SB NPS staff requested that RB NPS provide updated progress information regarding Phase 3 for the above TMDLs. This information was not provided. RB staff has stated that the implementation of these TMDLs has been delayed but is currently underway.			

Non Point Source (NPS) Program-319 h, FY 2010-11 Semi-Annual Progress Report Regional Water Quality Control Board-Santa Ana Region

Task 1: NPS Program Coordination—319(h), SFY 2010-2011 Semi-Annual PR (7/1/10-12/31/10)

Description: To improve the overall NPS program, this task organizes the program infrastructure based on the updated NPS Program Plan and focuses information exchange among the Regional Boards and State Board and other State agencies.

Outcome: To build a cohesive statewide program by focusing on baseline 319(h) workplan activities.

FY 2010-11 Objectives: The purposes of NPS Program Coordination are to build a cohesive statewide program and to highlight near term successes.

Subtask	Status of Performance Target	Milestones/Significant Products
a) Report progress on NPS activities	This is the July-December 2010 Progress Report. Obstacles encountered include reduced NPS allocations compared to prior FYs, furloughs, and level or increased overall work load for NPS staff, resulting in delays in completing some program commitments. Environmental Benefit includes timely reporting and follow up on program activities.	Timely submittal of Progress Report. Approval of Progress Report
b) Participate on the NPS Interagency Coordinating Committee (IACC)	<p>Region 8 staff has continued to participate with the NPS Interagency Coordinating Committee. IACC participation enables Region 8 staff to provide scientific and regional input related to statewide issues addressed by the IACC, adding value and quality to IACC efforts.</p> <p>Staff regularly participates in the IACC Marinas, Recreational Boating and Antifouling Strategy Workgroups, and Copper subgroup. Through this participation, Board staff continues to coordinate with other RBs and the CA Dept of Pesticide Regulation (DPR) to evaluate and consider appropriate regulations that will steer away from copper-based anti-foulant boat hull paint usage and toward alternative hull coatings that will lead to improving water quality and protecting beneficial uses.</p> <p>Region 8 staff continues to provide input for projects that restore coastal wetlands, including receiving training on the use of the California Rapid Assessment Method (CRAM).</p> <p>Region 8 continues to work on the wetlands portion of the second 5-year implementation plan. Region 8 staff continues to actively participate in regional efforts to protect and restore wetlands, including implementation of CRAM for benchmarking and assessing wetland condition, participation in the Southern California Wetland Recovery Project, and providing guidance and regulatory support for projects that restore coastal wetlands.</p>	<p>Please see i. below.</p> <p>Facilitated coastal wetland and embayment restorations (by fast-tracking CWA Section 401 water quality standards certifications t</p>

c) Participate in quarterly NPS Program Roundtables and monthly conference calls	Region 8 staff has continued to participate in quarterly NPS Roundtable meetings and the monthly NPS Roundtable conference calls. Environmental benefit includes information sharing across Regional Boards and SWRCB. This included attendance and participation the NPS roundtable in October 2010 in Sacramento. Staff also attended an Irrigated Lands Regulatory Program (ILRP) roundtable held in July 2010. Information exchange with the ILRP is beneficial to Region 8 NPS staff developing the Ag. Waiver program for the San Jacinto River Watershed area of the region. Information sharing keeps NPS staff knowledge current and enables more effective participation and coordination in the NPS and ILRP/Ag. Waiver program arena.	Staff participated in one bi-monthly NPS Roundtable, and 4 NPS monthly conference calls.
d) Participate in the 319 grant program	Region 8 NPS staff have conducted outreach to Region 8 stakeholders to assist and provide guidance in the project proposal solicitation process for the 319(h) grant cycles. Staff participated in discussions ensuring that all Regional Boards have a say in reviewing all proposed projects. Staff actively participated in the process to develop the FY 2010-2011 319(h) grant program and to select proposals for grant awards. Staff actively participated in discussions leading up to establishing clear project preferences for 2010/2011 319 grants. Staff reviewed all concept proposals for 319(h) grants to be awarded in early 2011, including participating in the November 3, and 4, 2010, concept proposal selection meeting in Sacramento. Staff continues to coordinate with State Board staff on management of grants that are no longer being actively managed by regional Board staff.	In coordination with staff of SWRCB, USEPA and other RWQCBs, produced guidelines and other program documents for the 2010/11 319 grant program. Staff reviewed and commented on all the 319(h) concept grant proposals submitted for the 2010/2011 program and participated in grant selection process.
e) Develop Annual Workplan	Region 8 staff continues to coordinate work that develops and implements the workplan, through tasks to implement the NPS Compliance and Enforcement Policy. The proposed Region 8 conditional waiver for agricultural discharges (CWAD) program will be the outcome of this effort. The CWAD programs efforts have been increased and staff has prepared a "CWAD Program Work Plan and Roadmap" with specific tasks, subtasks, targets and milestones. The main obstacle is inadequate staff resources necessary to work on the CWAD program while still carrying out other NPS and other program responsibilities	Workplan development.
g) Participate on the Critical Coastal Areas (CCAs) Committee	Region 8 staff has been participating in the statewide NPS Critical Coastal Areas (CCAs) program since its inception in 2001.	No new activities occurred during this reporting period.

h. TMDL Development and Implementation.			
i)	San Jacinto Watershed- Canyon Lake Nutrient and Pathogen TMDLs	Continuing development and implementation of CWAD program to reduce pollutants from agricultural and related sources. Continuing to identify and implement BMPs to reduce the N and P loads to Canyon Lake through field research, demonstration and community outreach/education, etc.	Staff attended 3 TMDL Bi-monthly Technical Advisory Committee (TAC), and 3 TMDL Task Force meetings.
ii)	San Jacinto Watershed-Lake Elsinore Nutrient and Dissolved Oxygen TMDLs.		
iii)	Newport Bay Watershed- Selenium, Organochlorine Compounds, Diazinon/Chlorpyrifos, Metals, Sediments, Bacteria and Nutrients TMDLs.	Selenium and Nutrients-demonstration scale subsurface treatment facility (Cienega Filtration Facility) was constructed, and is operating to document levels of nitrate and selenium removal from PS and NPS surface water flows, including rising groundwater, in the San Diego Creek subwatershed. Stakeholders are proceeding with plans to build full-scale facility that would contribute to watershed-scale water quality improvement. Nutrients and Pesticides-RB staff work with stakeholders and UCCE to provide IPM and other MM education to ag. stakeholders in the Newport Bay watershed, to conduct WQ monitoring, and to evaluate regulatory compliance. Sediments and sediment-bound pollutants-TMDL, NPS & 401 staff team up to develop, implement and enforce erosion/sediment reduction/contaminated sediment/hydromod BMPs/MMs via permits, certifications and TMDL requirements.	CRAM based assessments and tasks have been performed in the Newport Bay watershed.
iv)	Newport Bay Watershed-San Diego Creek, Reach 1 and 2 Metals TMDLs.	Metals-Reduction of copper discharges into Newport Bay through a 319(h) grant-funded demonstration project using copper-free, non-toxic bottom paints with public outreach, awareness and education activities, along with small monetary incentive program.	Three 401 certifications issued for Newport Bay dredging projects with the objective of removing contaminated sediments.

Task 2: Project Management

Description: Project management involves reviewing 319 grant project agreement Scopes of Work and Budgets, as well as processing and overseeing the 319 agreements, including processing invoices, monitoring project progress, and reviewing reports. The task also includes responding to federal Grants Tracking and Reporting System requirements, including responding to requests on stream reach data and annual load reductions, verifying information, and providing final electronic copies of agreements and amendments, and final project reports.

Outcome: Effective use of 319(h) grant funding to address NPS problems in Region 8.

FY 2010-11 Objectives: Timely responses from grantees, obtain satisfactory deliverables, ensure invoice accuracy, timely submission of the invoices and project alteration/amendment related documentation; assess, evaluate and determine compliance with the grant agreements; inform grantees on evolving 319 grant program criteria, and obtaining measurable water quality results from the grant project. Coordinate and facilitate smooth and streamlined execution of the grant project. Inspections and follow up on grant- related progress.

Subtask	Status of Performance Target
Coordinate data submission with GRTS	Send data to GRTS coordinator – GRTS data was submitted by grant project directors (not by Region 8, 319(h) Grant managers).
Contract	Status of Performance Target
a. Newport Bay Copper Reduction Project	Grant agreement with Orange County CoastKeepers (OCCK) was negotiated and executed. In 2010, through a coordinated effort among Regional Board staff, OCCK, City staff and other local environmentally-minded stakeholders, the City of Newport Beach passed a resolution encouraging the use of non-copper boat paints in Newport Bay, fulfilling one of the Project's tasks. The City also seeks to provide incentives for using nontoxic paints. Shortly thereafter, Board staff presented the City with a letter commending their efforts to improve the Bay's water quality, and assisting with educating boat paint users. (See section 1.b. of this report.)
e. Implementation of Nutrient TMDLs in the San Jacinto Watershed through a Feasibility Assessment for Pollutant Trading for Agricultural Operators and the Development of a BMP Database Tool (FAAST PIN 19063)	This project was awarded funding by the SWRCB in May 2010. Issues regarding project's watershed planning are being addressed. A preliminary draft of the agreement was reviewed and returned to SWRCB staff. Development of the final draft grant agreement is pending.

Task 3: Education/Outreach

Description: The education/outreach task is designed to identify NPS stakeholders within our region and provide them with information to implement Management Measures within their watersheds.

Outcome: To update the Region 8 database of NPS stakeholders so that they can be electronically sent information pertaining to NPS program materials, grant announcements, workshops, and events that Region 8 staff will be generating or have been made aware of.

FY 2010-11 Objectives: Staff of the SARWQCB will create, disseminate, and share pertinent information that will aid in addressing current and potential NPS problems, including grant opportunities and use of the NPS Implementation and Enforcement Policy.

- Staff participated or attended events during this period in which NPS information contained in brochures and pamphlets were distributed, including monthly Western Riverside County Agriculture Coalition (WRCAC) meetings
- Staff continues to coordinate with the Cities of Newport Beach and Huntington Beach to assess the sewage pump-out facilities at marinas within the cities' jurisdictions and evaluate the compliance status of these sanitation facilities.
- Staff provided NPS informational materials to Riverside County Flood Control and Water Conservation District's outreach coordinator, who distributed this material at several outreach events.
- Staff has been nurturing NPS partnerships with stakeholders within the University of California (UC Riverside and UC Ag. Extension) and the USDA Salinity Lab. at UC Riverside.
- Staff is participating in developing a Lower Newport Bay Storm Drain Study report. The purpose of this study report is to determine metals loading from storm drains in Lower Newport Bay.
- Staff successfully managed the "Newport Bay Fecal Coliform Source Identification and Management Plan for Newport Bay" Prop. 13 grant project." The completed Plan includes recommendations to implement a BMP/MM-based program on a watershed-wide basis. Source control and reductions, education, and BMPs, along with core monitoring, are key components. The BMP program will support the revision of the Newport Bay Fecal Coliform TMDL, and support goals to attain recreational beneficial uses.
- Staff provided NPS program and funding guidance to an NGO conducting outreach in the Quail Valley community of Riverside County (San Jacinto River watershed) plagued by widespread failure of septic systems and subject to a Regional Board waste discharge prohibition.
- Development activities for the proposed RB-8 Conditional Waiver for Ag Discharges (CWAD) program for the San Jacinto River watershed, that will implement SWRCB NPS Implementation and Enforcement Policy, continued, including:
 - Continuing development of and populating a database of likely irrigated ag. operators who will be subject to proposed ag. waiver.
 - Continuing to collect ag. operators' data from farm bureau, Ag. Commissioner's Office, Tax Assessors' Office, Department of Pesticide Regulation, trade associations, etc., including identifying and coordinating with major stakeholders and ag. groups (WRCAC, San Jacinto River Watershed Council - SJRWC.)
 - Coordinate with local ag. stakeholders.
 - Staff has been coordinating with WRCAC and project area TMDL staff to develop a CWAD program monitoring program.
 - Organized and held CWAD program advisory group (a stakeholder group representing the local ag. community, sectors of the ag. industry, and interested agencies meeting on September 23, 2010.
 - Attended and participated in roundtables coordinated by the State Board's Irrigated Lands Regulatory Program
 - Staff finalized a fact sheet about the CWAD program and posted it on Region 8's web site
http://www.waterboards.ca.gov/santaana/water_issues/programs/planning/ag_waiver_fact_sheet5-14-09.pdf
 - The CWAD program fact sheet has been translated into Spanish – posting on the internet is pending.
 - Staff conducted field surveys of parts of the San Jacinto River Watershed area in order to assess the variety of agricultural operations
 - Evaluating alternate approaches for an ag. waiver monitoring program. (Strategy being evaluated is a watershed-based approach whereby existing irrigated ag. stakeholder groups, that have already demonstrated the capacity to conduct monitoring by identifying pollutants associated with irrigated ag. discharges in the watershed, take on an additional role of waiver monitoring. In areas where this capacity is absent or where stakeholder groups have not formed, RB staff would initially conduct monitoring to establish relevant constituents that are to be listed in waiver monitoring programs.)
 - Continuing to draft a tentative waiver of waste discharge requirements order, including identifying appropriate TMDL-based tentative discharge limits, targets, and/or action levels.
 - Continuing with outreach efforts to the irrigated ag. community through meetings, workshops and conference presentations.
 - Other work leading up toward the launch of Region 8's CWAD program.

Task 4: NPS Policy Implementation		
Description: Continue implementation through coordination and development activities related to the NPS Implementation and Enforcement Policy.		
Outcome: One Waste Discharge Requirement (WDR) or Conditional Waiver developed and approved is the ultimate goal of this task.		
FY 09-10 Objectives: Development activities for proposed RB-8 Ag Waiver that will implement SWRCB NPS Enforcement Policy - (for 319(h) reporting)		
	Status of Performance Target	Milestones/Deliverables
a. Coordinate with other units	Informational talks have been coordinated by NPS staff for all staff at Region 8. This includes information on new trends and technologies.	Information on new technologies are expected to help all staff sections, especially NPS, Stormwater, and the 401 programs.
b. Workshops/Meetings	Region 8 staff has attended several NPS-related workshops and meetings, (some noted above) although our ability to do so is limited by resources constraints. NPS benefits are expected from technical input provided by Region 8 staff at Technical Advisory Committees. In addition, outreach regarding the 319(h) and other grant cycles has been presented at the meetings to broaden knowledge of and participation in these grant programs.	Technical assistance, education and outreach to the stakeholders.. Holding and hosting local assistance workshops and meetings.

c. Develop Waiver of WDR, or equivalent	To implement the NPS Implementation and Enforcement Policy, staff is in the process of developing a conditional waiver of waste discharge requirements to address agricultural discharge issues in Region 8 (the aforementioned CWAD program) and working with stakeholders in this process. The CWAD will function to regulate ag. discharges in a manner that also supports implementation of TMDLs. Obstacles related to the CWAD development continue to include increasingly limited resources available to do this work, and competition from other NPS activities for the same limited resources. . Regional Board staff is coordinating CWAD development with major stake-holders, such as County Ag. Commissioner, Farm Bureau, SCCWRP, UC Coop. Extension, etc., to develop CWAD program components. Regional Board staff continues to hold regular meeting with the recently formed CWAD program advisory group.	<p>Developed and began populating a database of likely irrigated ag. operators who will be subject to proposed ag. waiver.</p> <p><u>San Jacinto River watershed of Region 8:</u> accurate data set have been developed and is being used.</p> <p>Continuing to prepare a draft tentative waiver of waste discharge requirements order, including identifying appropriate TMDL-based tentative effluent limits.</p> <p>Continuing with outreach efforts to the irrigated ag. community through meetings, workshops and conference presentations. .</p>
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Santa Ana Regional Water Quality Control Board Program Summary

Time –sensitive tasks for the Santa Ana Regional Water Quality Control Board (RWQCB-8) NPS Program staff were generally completed on time. Successful efforts include participation in several events during this period in which NPS information was distributed through presentations, brochures and pamphlets.

Work is ongoing to develop and populate a database of likely irrigated agricultural operators who will be subject to the proposed Conditional Waiver of waste discharge requirements for Agricultural Discharges (CWAD) program, and evaluating alternate approaches for a waiver monitoring program. The strategy now being considered in this watershed-based approach is for existing stakeholders, e.g., organizations representing a sector of the agriculture industry (such as Milk Producers Council, Nursery Grower's Association), science-based organizations (such as University of California Cooperative Extension, Southern California Coastal Water Research Project), etc., that have already demonstrated the capacity to conduct monitoring by identifying pollutants associated with irrigated agriculture discharges in the watershed, accept an additional role of monitoring at the request of enrollees in the CWAD.

Regional Board staff is coordinating with Riverside County Ag. Commissioners Office to develop a CWAD program ag. operators' data base with data provided by stakeholders in the San Jacinto/Canyon Lake watershed TMDLs..

Regional Board Conditional Ag. waiver staff have been actively involved in coordination with major stakeholders, like WRCAC and SJRWC in identifying major ag. stakeholders, including a grant-based project to classify and compile categories of irrigated and non-irrigated ag. operators in the region that will potentially be enrolled in this program. Regional Board staff is also coordinating with ag. waiver staff at the State Board and adjacent regions (Regions 4 and 9) to draw on their experience as a tool to expedite the Region 8 ag. waiver.

RB TMDLs identify NPS pollutant loads and inputs, regardless of whether they are active, or historically based. NPS' diffuse nature often makes difficult the identification of responsible party(ies), and so, affect productive monitoring and implementation programs. RB staff recommend that discussion of this issue should be at the IACC/SB-lead level.

Other NPS Program-related Miscellaneous Activities include:

- Regional Board staff continue to be involved in implementing the regional salt management plan, adopted in 2004. The salt management plan includes both NPS and point source pollutants control activities.
- Staff regularly participate in monthly meetings of stakeholders in the Chino Basin part of the middle Santa Ana River watershed management area to monitor progress and encourage success of a number of grant-funded NPS reduction projects taking place there.
- Staff have been working with regulated CAFO dairies and manure haulers in coordination with local agencies and cities in order to regulate manure management (land application of manure at agronomic rates) in the Chino Basin and San Jacinto River watershed areas of the Santa Ana Region.
- Staff continue to implement Basin Plan prohibitions and restrictions on the use of septic tanks and on-site, subsurface sanitary waste disposal systems (OSDS) that apply region-wide. Implementation of the OSDS discharge prohibition for the Quail Valley community of western Riverside County, upstream of Canyon Lake (a drinking water reservoir) is one of Region 8's highest priorities.

319 Program Summary

During the reporting period, work funded by CWA §319(h) funds in the San Diego Region proceeded in a generally satisfactory manner. Nevertheless, 319(h) and other resources provided to the SDRWQCB fall far short of what is needed to adequately address nonpoint source problems and threats in the San Diego region.

Task 1: 319 Program Coordination

Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Evaluate Program Success	1. workplan 2. semi-annual progress report 3. annual report 4. success story	yes yes yes no	n/a n/a n/a restrictive criteria
b. Information Exchange/Outreach	quarterly roundtables and monthly phone calls	yes	n/a
c. Contract/Grant Proposal Development and Review	RFP / proposal review & selection	yes	n/a
d. Interagency coordinating committees (IACC)	participate in meetings	yes	n/a

Deliverables due this reporting period:

1.03 CWA 319 first semi-annual progress report for Jan-Jun 2010 (Subtask 1.a2) – due 07/18/2010: submitted 7/19/2010
 1.05 Nonpoint Source Pollution Implementation Program Annual Report for FY 2009-2010 (Subtask 1.a3) - due 09/01/2010: submitted: 9/7/2010
 1.06 Completed Success Story template (Subtask 1.a4) – due 08/15/2010: not submitted
 1.07 Completed Success Story narrative or second template (Subtask 1.a.4) – due 12/15/2010: not submitted

Major achievement this reporting period: n/a

Environmental benefit expected or achieved: n/a

<u>Task 2: 319 Contract / Grant Agreement Management</u>				
Contract Number Project Name	Milestones	GRTS data current (yes/no)	Contract on Schedule (yes/no)	If no, discuss obstacles and problems encountered
PIN# 19039 10-###-559-0 Shelter Island Yacht Basin Copper Hull Paint Conversion Project	(contract execution pending)	n/a	n/a	n/a
Major achievement this reporting period: n/a				
Environmental benefit expected or achieved: n/a				

<u>Task 3: TMDL Implementation</u>			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
Shelter Island Yacht Basin (SIYB) dissolved copper (2005)	(see Task 2)	n/a	n/a
<u>Deliverables due this reporting period:</u>			
n/a			
Major achievement this reporting period: n/a			
Environmental benefit expected or achieved: reduction of copper concentrations			

Task 4: Wetlands and Riparian Areas Protection / Hydromodification			
Subtask	Milestones	On Task (yes/no)	If no, discuss obstacles and problems encountered; list any modifications to milestones
a. Policies and standards for protection of wetlands and riparian areas	Participate in workshops and meetings as scheduled by the SWRCB. (see Deliverable 4.01)	yes	n/a
b. Wetlands and riparian areas working groups	Participate in meetings as scheduled.	no	limited staff availability and scheduling conflicts
c. CWA §401 certification program coordination	SDRWQCB §401 certification program staff meetings	yes	n/a
d. CWA §401 certification program implementation	Track: (a) impacts associated with certifications issued; (b) compensatory mitigation required by certifications issued (c) enforcement actions taken (see Deliverable 4.01)	yes	n/a
e. CEQA document review	Prepare CEQA comment letters on proposed projects with significant potential impacts to waters of the state (see Deliverable 4.01)	yes	n/a
Deliverables due this reporting period:			
4.01 Copies of Executive Officer Reports (EORs) to the SDRWQCB about wetlands, riparian areas, hydromodification, and CWA §401 certification work, including summaries of (a) impacts associated with certifications issued; (b) compensatory mitigation required by certifications issued; and (c) enforcement actions taken			
Major achievement this reporting period: n/a			
Environmental benefit expected or achieved: Water quality degradation is a symptom of unhealthy watersheds. Healthy wetlands and riparian areas are essential to the health of watersheds. Protection and restoration of the natural characteristics of wetlands and riparian areas are critical to protection and restoration of the health of watersheds. Preventing / minimizing the loss and degradation of wetlands and riparian areas and their associated functions and beneficial uses and ensuring that appropriate and adequate mitigation is done where such losses occur is an important part of protecting and restoring wetlands and riparian areas. The CWA §401 certification program is critical to accomplishing this, but it is inadequately funded.			